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THIRTY-SIXTH

ANNUAL REPORT

OF THE

CITY OF BURLINGTON,

VERMONT.

FOR THE

Year Ending December 31, 1900.

BURLINGTON:
FREE PRESS ASSOCIATION,
PRINTERS, BINDERS AND STATIONERS.
1901.

EDMUNDS HIGH SCHOOL.

THIRTY-SIXTH

ANNUAL REPORT

OF THE

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FOR THE

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BURLINGTON:
FREE PRESS ASSOCIATION,
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1901.

RESOLUTION.

Resolution relating to the publication of the Thirty-sixth Annual City Report, offered by Alderman Munson, at a meeting of the Board of Aldermen, held on the 30th day of January, 1901, and adopted in the words following :

CITY OF BURLINGTON.

In the year one thousand nine hundred and one—

Resolved, by the City Council of the City of Burlington, as follows :

That the City Clerk is hereby directed to prepare for publication the Annual Reports of the City Officers, and such other matter as is usually published in the City Reports, and, under the direction of the Mayor, to procure printed 1,200 copies thereof for tax payers and general distribution, and that said copies be printed, ready for such distribution, at least two weeks before the annual City election.

Approved January 30th.

ROBERT ROBERTS, *Mayor*.

GOVERNMENT AND OFFICERS

OF THE

CITY OF BURLINGTON,

FOR 1900.

Mayor—His Honor, ROBERT ROBERTS.

Office, No. 3 City Hall, Residence, 232 So. Willard St.

BOARD OF ALDERMEN.

President,

CHARLES E. BEACH.

First Ward—Owen R. Mason. Term Expires April, 1902.
Residence, 439 College Street.
Frank O. Sinclair. Term expires April, 1901.
Residence, 148 Colchester Ave.

Second Ward—*Henry J. Gutchell.
Term expires April, 1902.
Residence, 35 School Street.
Geo. G. Munson. Term expires April, 1901.
Residence, 27 Bright Street.

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*Resigned November 20, 1900.

Third Ward—JAS. W. COURTNEY. Term expires, April, 1902.
Residence, 69 Front Street.
JOHN J. SHEA. Term expires April, 1901.
Residence, 60 North Champlain Street.
Fourth Ward—GEORGE Q. STILES. Term expires April, 1902.
Residence, 15 So. Union Street.
CHAS. E. BEACH. Term expires April, 1901.
Residence, 64 Buell Street.
Fifth Ward—CHAUNCEY W. BROWNELL.
Term expires April, 1902.
Residence, 196 South Willard Street.
HORATIO M. PRICE. Term expires April, 1901.
Residence, 122 Maple Street.

Clerk, *ex-officio*, CHARLES E. ALLEN.

Regular meeting of the Board, First Monday in each month, at No. 2 City Hall.

STANDING COMMITTEES

OF THE

BOARD OF ALDERMEN.

On Water Department,
Aldermen Mason, Price, Stiles.

On Fire Department,
Aldermen Gutchell*, Stiles, Sinclair.

On Street Department,
Aldermen Shea, Brownell, Munson.

On Accounts and Claims,
Aldermen Stiles, Mason, Shea.

On Pauper Department,
Aldermen Brownell, Courtney, Price.

On Public Buildings and Parks,
Aldermen Mason, Gutchell*, Shea.

On Printing and Publication,
Aldermen Munson, Sinclair, Mason.

On School and Library Affairs,
Aldermen Sinclair, Munson, Brownell.

On Health,
Aldermen Courtney, Gutchell*, Munson.

On Liquor Agency,
Aldermen Beach, Stiles, Sinclair.

On Railroads,
Aldermen Price, Courtney, Gutchell*.

On Licenses,
Aldermen Shea, Price, Brownell.

On Electric Poles and Wires,
Aldermen Brownell, Munson, Courtney.

*Resigned.

CITY OFFICERS.

City Clerk—CHARLES E. ALLEN.
Office, No. 2 City Hall. Residence, 142 University Place.
Assistant Clerk—GILBERT A. DOW. Residence, 226 Pearl St.
City Treasurer—LOWELL C. GRANT.
Office, No. 4 City Hall. Residence, 97 Buell Street.
City Attorney—D. J. FOSTER.
Office, 196 Main Street. Residence, 72 Buell Street.
City Constable—HOYT E. SALLS.
Office, 157 Church Street. Residence 169 Maple Street.
Health Officer—H. R. WATKINS, M. D.
Office and Residence, 42 No. Winooski Ave.
Engineer and Surveyor—H. M. MCINTOSH, C. E.
Office, City Market Building. Residence, 81 N. Willard St.
Grand Juror—JAMES H. MACOMBER.
Office, 182 Main Street. Residence, 83 Loomis Street.
Overseer of Poor—DANIEL C. BARBER.
Office, 157 Church Street. Residence, 189 Church Street.
Trustee U. S. Deposit Fund—LOWELL C. GRANT.
Office, No. 4 City Hall. Residence, 97 Buell Street.
Fence Viewers—
CLEOPHAS LAPRESE, Residence, 175 Shelburne Street.
OLIVER DEVARENNES, Residence, 82 North Street.
Sealers of Weights and Measures—
WILLIAM H. ROBERTS. Residence, 24 St. Paul Street.
Custodian of City Scales—
GEORGE W. BECKWITH, Office, City Market Building.

City Liquor Agent—ALBERT KILLAM.*
Office, 156–158 Main Street. Residence, 12 Grant Street.
City Physician—J. E. LABELLE, M. D.,
Office, 207 No. Winooski Ave.
Auditors—
GEORGE W. BECKWITH, Residence, 236 Main Street.
JOHN C. FARRAR, Residence, 45 No. Winooski Ave.
THOMAS FAILEY, Residence, 56 George Street.
Janitor of City Hall—L. C. GRANT. Office, No. 4 City Hall.
Pound Keeper—SYLVESTER PLOOF. Residence, 29 Park Ave.

STREET DEPARTMENT.

BOARD OF STREET COMMISSIONERS.

N. KING BROWN, Chairman. Term expires 1903.
Office, 115 St. Paul Street.

JAMES B. HENDERSON. Term expires 1902.
Office 154 College Street.

FRANK S. LANOU. Term expires 1901.
Office, 166 North Street.

SUPERINTENDENT OF STREETS.

HERALD STEVENS. Office, City Market Building.
Residence, 111 North Winooski Avenue.

ADVISORY BOARD.

ROBERT ROBERTS, *ex-officio*. CHARLES P. SMITH,
W. J. VAN PATTEN.

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*Appointed December 8, 1900.

Agency closed November 13, 1899, by the County Commissioner by vote at City Meeting held November 10, 1899.

FIRE DEPARTMENT.

Office, Station No. 1, Church Street.

Chief Engineer—MOSES MURRAY.
Residence, 38 Hickok Place.

First Assistant—JOSEPH H. CARLIN.
Residence, 60 Elm Street.

Second Assistant—GEORGE W. BURT.
Residence, 189 So. Union Street.

PERMANENT FIREMEN.

Station No. 1—Captain, William J. Brown; engineer, W. W. Conner; drivers, Seymour Lozo, Peter Benoit; pipemen, George Hurlburt, F. F. Miller; electrician, Henry M. Riley.

Station No. 2—Captain, Michael Lynch; driver, Edward Lynch; pipeman, John Moran.

Station No. 3—Captain, James M. Cosgrove; driver, Charles A. Niles; pipeman, George Neal.

Hook and Ladder Co.—Captain, Ernest R. Brew.

BOARD OF FIRE WARDENS.

First Ward—W. C. WELLER.
Residence, 112 Colchester Ave.

Second Ward—JOHN ROBY, Chairman.
Residence, 103 No. Union Street.

Third Ward—PHILIP RITCHIE.
Residence, 129 No. Champlain Street.

Fourth Ward—OLIVER DUPAW,
Residence, 122 No. Winooski Ave.

Fifth Ward—JAMES TRUMAN.
Residence, 500 St. Paul Street.

BUILDING INSPECTORS.

GEORGE B. RAND. Term expires 1903.
Residence, 62 No. Champlain Street.

JOHN. W. COFFEY. Term expires 1902.
Residence, 557 So. Willard Street.

Z. T. AUSTIN, Chairman and Clerk. Term expires 1901.
Residence, 244 College Street.

ASSESSORS.

Office, No. 7 City Hall.

ALEXANDER H. PARKER, Chairman. Term expires 1903.
Residence, 30 No. Battery Street.

ALPHONSE L. BARROWS. Term expires 1902.
Residence, Shelburne Street.

{ EDWARD F. BROWNELL.*
{ FRED O. BEAUPRE.† Term expires 1901.
Residence, 82 No. Winooski Avenue.

WATER COMMISSIONERS.

Office, No 5 City Hall.

J. ERNEST LANOU, Chairman. Term expires 1903.
Office, 166 North Street.

JAMES E. MEAGHER. Term expires 1902.
Office, 66 Pearl Street.

ALVARO ADSIT, Chairman. Term expires 1901.
Office, 207 College Street.

SUPERINTENDENT OF WATER WORKS.

FRANK H. CRANDALL.
Office, No. 5 City Hall. Residence, 67 Elmwood Avenue.

*Resigned April 2, 1900.
†Elected April 2, 1900.

CEMETERY COMMISSIONERS.

HOWARD CRANE. Term expires 1902.
Residence, 91 No. Union Street.

CURTIS A. HIBBARD. Term expires 1903.
Office, 52 College Street.

W. J. VAN PATTEN, Chairman. Term expires 1901,
Residence, 386 Pearl Street.

SEXTON.

ELMWOOD, LAKEVIEW AND GREEN MOUNT CEMETERIES.

MATTHEW COLLINS,
North Avenue, at Lakeview Cemetery.

CITY COURT.

Judge, E. W. J. HAWKINS.
Court Room, 9 City Hall. Residence, 56 So. Union Street.
Clerk, JOSEPH T. STEARNS.
Office, 8 City Hall. Residence, 44 So. Willard Street.

CITY POLICE.

CHIEF

EDWARD F. BROWNELL.
Office, 162 Main Street. Residence, 47 Hyde Street.

REGULAR POLICEMEN.

JOHN J. BROTHERS,
PATRICK J. COSGROVE,
WILLIAM GARROW,
MILO C. GRATON,
THOMAS H. KELLEY,
EDWARD P. MCELLIGOTT,
PATRICK J. RUSSELL,
JOHN H. RYAN,

RESERVE FORCE.

LEVI P. COLE, EDWARD R. COON, PETER LYNCH.

BOARD OF POLICE EXAMINERS.

CALVIN S. ISHAM. Term expires 1903.
Office, 148 Church Street.

W. L. BURNAP, Chairman. Term expires 1902.
Office, Court House.

JAMES E. BURKE. Term expires 1901.
Office, 137 So. Winooski Ave.

SCHOOL DEPARTMENT.

BOARD OF SCHOOL COMMISSIONERS.

Ward 1.—ELIHU B. TAFT. Term expires April, 1902.
Residence, 397 Pearl Street.

Ward 2.—D. C. HAWLEY, M. D. Term expires April, 1901.
Residence, 204 Pearl Street.

Ward 3.—JOSEPH I. FUGERE. Term expires April, 1902.
Residence, 7 North Avenue.

Ward 4.—CHARLES C. MILLER, President.
Term expires April, 1901. Office, 125 College Street.

Ward 5.—BUEL J. DERBY. Term expires April, 1901.
Residence, 316 South Union Street.

CLERK OF BOARD.

D. C. HAWLEY, M. D. Office, 204 Pearl Street.

Regular meetings first Friday of each month, at 7:30 P. M., at the office of the Superintendent of Schools.

SUPERINTENDENT OF SCHOOLS.

HENRY O. WHEELER. Residence, 335 South Union Street. Office, in Edmunds High School Building, cor. Main and So. Union Streets.

TRUANT OFFICERS.

OLIVER LAMORA, PETER MERCIER. 162 Main Street.

TERMS OF OFFICE.

The term of office of the Mayor and Aldermen commences the first Monday in April ; of the School Commissioners, the first day of April.

Street, Water and Cemetery Commissioners—One elected in April each year for a term of three years, from April 25th next following his appointment, and till his successor shall be appointed and qualified.

City Assessors—One elected in March each year, for a term of three years from April 1st following his election, and until his successor is appointed and qualified.

Police Examiners—One appointed between the first and second Mondays in April each year, for a term of three years from the 25th day of the same April, and until his successor is appointed and qualified.

All others of the foregoing named officers, one year from April 25th, 1900, except the Superintendent of Water Works, who is annually appointed on the first Monday after April 25th, to serve one year or until his successor shall be appointed and qualified ; and the Superintendent of Streets, who is appointed annually on the first Monday in May, to serve one year, or until his successor shall be appointed and qualified.

FLETCHER FREE LIBRARY.

TRUSTEES.

His Honor, THE MAYOR, *ex-officio.*

Matthew H. Buckham, D. D., President,
Residence, 24 University Place.

Edward J. Phelps, LL. D.,* Residence, 251 S. Willard St.

H. L. Ward, Residence, 143 S. Willard St.

J. Isham Bliss, D. D., Residence, 404 Pearl St.

Secretary of the Board, Rev. J. Isham Bliss, D. D.

TRUSTEES OF THE FLETCHER FUND.

T. E. Wales, Edward Wells, Joel H. Gates.

LIBRARIAN.

Miss Sarah C. Hagar, Residence, 323 College Street.

ASSISTANT LIBRARIAN.

Miss Lizzie R. Moore, Residence, 152 No. Prospect Street.

MESSENGER.

George Henderson, Residence, 46 Chase Street.

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*Died March 9, 1900.

WARD OFFICERS.

WARD ONE.

Clerk—Frank L. Freeman.
Inspectors of Election—J. H. Chambers, Frank E. Perkins, A. F. Lowell.

WARD TWO.

Clerk—Perley O. Ray.
Inspectors of Election—Edward J. Booth, Carl D. Stockwell, J. Albert Gingras.

WARD THREE.

Clerk—John P. Madigan.
Inspectors of Election—Richard J. Madigan, Thomas Failey, Jules Simays.

WARD FOUR.

Clerk—George C. Mayo.
Inspectors of Election—W. O. Baldwin, Thomas F. Conlon, Frank Brown.

WARD FIVE.

Clerk—Fred Johonnott.
Inspectors of Election—A. A. Drew, Curtis A. Hibbard, Clarence L. Smith.

City election first Tuesday in March.

PARTY ORGANIZATIONS.

CITY COMMITTEES.

REPUBLICAN.	DEMOCRATIC.
S. M. Flint.	O. S. Cameron.
F. P. Robinson.	P. C. Dodge.
J. L. Roberge.	J. E. Bolger.
C. S. Isham.	J. E. Hogan.
Ezra M. Horton.	Edward Hynes.

WARD COMMITTEES.

C. T. Barney, John Louther, Robert Taylor.	Ward I.	F. O. Sinclair. C. F. Killam, John Cannon.
Henry H. Lee, J. E. Bradley, L. H. Beaupre.	Ward II.	F. X. Thibault, F. T. McDonough, William Riley.
L. H. Ouimette, John Kmetz, W. B. Gates.	Ward III.	Martin Sullivan, T. McGetterick, J. E. DeVarennes.
A. L. Walker, P. N. Morse, William Dunn.	Ward IV.	James Kelley, J. H. Dolan, W. H. Brown.
Edward Wheeler, L. P. Wood, H. E. Salls.	Ward V.	James Ryan. Frank McCarthy, J. Mitchell.

MAYOR'S MESSAGE.

Delivered before the City Council April 2, 1900.

To the Board of Aldermen:

GENTLEMEN:—Under the provisions of the charter that the mayor "shall recommend to the Board of Aldermen whatever measures he may deem necessary for prudentially and efficiently carrying on the affairs of the city," I have the honor to make the following suggestions:

Our property valuation, as assessed for purposes of taxation, is $12,839,742; the net bonded debt is $578,640.18 and the tax rate last year was 150 cents on the dollar of the grand list. I repeat here, what in substance I said in my message a year ago, that both the debt and the tax rate are large enough, and neither should be increased except under pressure of emergency, but that, in such case, both could be somewhat increased without substantial loss of credit to the city or distress to the tax payer. Last year, without apparently diminishing the efficiency of any department by undue economy, we managed to keep up our property, pay current bills, provide for the sinking fund and apply over $6,000 on the floating debt. It is probable that we may do as well the

present fiscal year although there will be an increase in outlay for schools, and a slight diminution of receipts by reason of the closing of the city agency, but it is hoped that there may be some increase in the next and succeeding grand lists, and here lies the sole hope of lessening the rate of taxation for years to come. In any event, I favor the administration of the city's affairs every year with a view to keeping current expenses within the sum which can be raised by the rate of 1½ per cent. of valuation. To succeed in this the administration must be wary in the matter of increasing the indebtedness and the resulting interest charge, and the departments must be moderate in their ambitions. Even then the expenditure in any year may exceed the estimate by reason of unusual requirements. In such case, I should consider the expediency of a special tax or the carrying of a debt, limited as to time and amount, before increasing the annual rate above named. I believe that the municipality, with its present equipment, could conduct its business without a material increase of expense, excepting for schools, and still provide for the public necessities of a considerably increased population.

As a matter of public interest a tabulation prepared by the city clerk, of the grand list, the tax rate and the net bonded indebtedness of the city, for the several years since its organization, is given below. The increase in the list of 1881 is due to the law of 1880, "an act to equalize taxation," and the rating of all taxable property "as its value in money;" and the increase in 1887 is largely due to the quadrennial appraisal and readjustment of values in 1886. The tax rates appearing in the table prove nothing except in the recent years when property has been listed at its value.

Year.	Grand List.	Tax.	Net Bonded Indebtedness.
1865	$ 22,110.35	$1.50	
1866	24,823.90	.75	$150,000.00
1867	25,015.31	1.25	150,000.00
1868	23,957.76	1.75	150,000.00
1869	25,137.71	2.20	175,000.00
1870	25,955.35	2.20	200,000.00
1871	42,996.28	1.83	225,000.00
1872	43,420.00	1.70	214,900.00
1873	45,676.81	1.73	214,900.00
1874	43,573.74	1.85	254,418.30
1875	39,370.59	2.70	409,312.13
1876	38,835.47	2.50	402,941.32
1877	36,888.51	2.00	394,050.00
1878	36,805.42	2.00	393,550.00
1879	32,889.87	2.60	439,900.00
1880	34,160.11	2.35	419,900.00
1881	80,055.01	1.10	376,816.52
1882	76,665.99	1.00	366,632.24
1883	69,466.73	1.10	362,050.00
1884	72,891.31	1.40	362,050.00
1885	76,079.06	1.10	350,336.00
1886	81,283.98	1.15	334,900.00
1887	103,242.48	1.00	329,900.00
1888	102,995.93	1.05	317,400.00
1889	107,164.31	1.30	298,400.00
1890	107,423.73	1.20	271,004.05
1891	106,430.70	1.20	283,986.31
1892	110,257.54	1.00	303,784.51
1893	112,687.35	1.10	300,257.16
1894	114,267.91	1.10	394,158.97
1895	121,387.50	1.50	402,764.06
1896	127,625.87	1.50	439,547.54
1897	128,799.43	1.50	444,854.05
1898	127,301.57	1.50	572,477.12
1899	128,397.42	1.50	578,640.18

It appears that our debt has more than doubled in the last ten years. On the other hand, the proportion of debt to the grand list, twenty years ago, was nearly three times greater than now.

SINKING FUND.

The sinking fund is made up wholly of the notes and bonds of the city. Why not cancel a certain amount of these and, by so much, reduce the gross debt, since the sole purpose of a sinking fund is to meet and pay the debt as it matures? This I do not insist upon but recommend it as, in my judgment, good business policy. An individual who had paid and taken up his note would not hold it against himself but would cancel it. Why should a municipal corporation do otherwise?

THE LAKE FRONTAGE.

The matter of a public dock has recently been brought to general notice and has revived public discussion of our rights to the water front. Assuming the utility of a public dock, which is debatable, then, in order to its erection and maintenance, legislation granting the power therefor is advisable and probably necessary. To that end, and to empower the city to keep open the approaches of the streets to and upon the lake, I introduced and advocated a bill in the Senate of 1890. This received no home support and failed.

The question of the rights of the municipality in the lands bordering upon the lake is not a simple one. Its discussion has naturally evoked more talk than it has disclosed knowledge. It can only be settled by the law as applied to the obscure history of the frontage. Suits have been brought through competent counsel and the whole matter should be systematically pressed to a right conclusion. Meanwhile it is idle to apply hard names to the corporations or individuals who were made welcome to take possession, create values and build up the business of the community at a time when water lots were cheap, or, in the public view, worthless. If the town and city of Burlington have not guarded their own interests, the fault is theirs.

EXEMPTIONS.

The law exempting manufacturing and other industries for a period of ten years, when "the town so votes," should be amended so as to make the term five years, as was formerly the law. The period of ten years is unreasonably long and works injustice to the unexempted taxpayers. The provision that the exemption can only be had if "the town (city) so votes" does not alter the case. As a practical matter for us, the voice of the people is not always adequately expressed at a city meeting, for many reasons, one of them being that the City Hall where meetings are held cannot accommodate one-third of the voters.

THE DEPARTMENTS.

I have little comment to make upon the administration of the different departments. Their condition and wants are fully stated in the reports of the several officials. So far as I can discover, they have all been managed honestly and with reasonable economy. Of course, it is our business to see to it that they are kept up to a high standard of efficiency.

CONCLUSION.

Every administration has a natural ambition to identify itself with some public improvement to mark its history, and the days of borrowing and of extended public works are the pleasantest. But debts have to be paid, and my conclusion is that, without permitting any of the city's property to run down, or the efficiency of the public service to be impaired, we should maintain, for the present, only a moderate pace in the matter of new work and wait for an increase in the grand list and a diminution of the indebtedness, before undertaking much that is still required in order for our beautiful city to reach its ideal.

Respectfully submitted.

ROBERT ROBERTS, Mayor.

THIRTY-THIRD ANNUAL REPORT

OF THE

Superintendent of Schools.

DEPARTMENT OF PUBLIC SCHOOLS.

BOARD OF SCHOOL COMMISSIONERS.

PRESIDENT,

CHARLES C. MILLER.

Ward One—ELIHU B. TAFT, 397 Pearl Street.
Term expires April 1, 1902.

Ward Two—DONLY C. HAWLEY, 204 Pearl Street.
Term expires April 1, 1901.

Ward Three—JOSEPH I. FUGERE, 7 North Avenue.
Term expires April 1, 1902.

Ward Four—CHARLES C. MILLER, The Richardson.
Term expires April 1, 1901.

Ward Five—BUEL J. DERBY, 316 South Union Street.
Term expires April 1, 1901.

SUPERINTENDENT OF SCHOOLS.

HENRY O. WHEELER, 335 South Union Street.

CLERK OF THE BOARD.

DONLY C. HAWLEY.

STANDING COMMITTEES.

On School Houses and School Property,
Commissioners MILLER, HAWLEY and FUGERE.

On School Instruction, Text-Books and Teachers,
Commissioners HAWLEY, MILLER and TAFT.

On Finance and Accounts,
Commissioners FUGERE, DERBY and MILLER.

On Rules and Regulations,
Commissioners DERBY, TAFT and HAWLEY.

Regular Meetings of the Board,
First Friday in each month at 7:30 P. M. at the Superintendent's office in the Edmund's High School Building.

Truant Officers,
OLIVER LAMORA, 19 Converse Court.
PETER MERCIER, 34 First Street.

ROLL OF TEACHERS.

Winter Term, 1901.

High School.

Principal—Isaac Thomas,	8 Wilson Street.
Assistant—Effie Moore,	247 Pearl Street.
Assistant—Phœbe M. Towle,	45 So. Willard Street.
Assistant—Annie T. Smith,	212 So. Willard Street.
Assistant—Anna M. Bailey,	18 Clarke Street.
Assistant—Annie L. Sherburne,	58 So. Willard Street.
Assistant—Abbie K. Leonard,	215 Pearl Street.
Assistant—Martha O. Coffin,	404 Pearl Street.
Assistant—George M. Brett,	88 So. Willard Street.
Assistant—Albert W. Varney,	18 No. Union Street.
Assistant—Joseph D. Bartley,	55 Buell Street.

Grammar School.

Principal—Mary E. Wells,	29 So. Willard Street.
Assistant—Mrs. Ellen H. Vilas,	446 Pearl Street.
Assistant, Winifred M. Collins,	57 Loomis Street.
Assistant—Mary E. Drew,	388 So. Union Street.
Assistant—Adelle I. Lee,	35 Greene Street.
Assistant—Mae A. Edwards,	Winooski, Vt.

Main Street School.

Ungraded Day—Cornelia C. Underwood,	29 No. Union Street.
B and C Primary—Bertha D. Heflin,	45 So. Willard Street.

Converse School.

Principal and C Grammar—Sarah A. Martin,	198 Pearl Street.
A Intermediate—Maria B. Harty,	22 Lafayette Place.
B Intermediate—Clara M. Lawrence,	43 Greene Street.
C Intermediate—Jennie M. Mathews,	40 Pine Street.
A Primary—Nellie D. Butts,	16 Loomis Street.
B Primary—Clara P. Loomis,	59 King Street.
C Primary—Annie A. Smith,	137 Pearl Street.
Special Assistant—Jessie E. Lord,	25 Monroe Street.
Kindergarten—S. Maude Read,	Essex Junction.

Lawrence Barnes School.

Principal and C Grammar—Mrs. Mary B. Mayo,	38 Orchard Terrace.
A Intermediate—Mrs. Minnie M. Barker,	North Avenue.
B Intermediate—Marion E. Bates,	57 Pearl Street.
C Intermediate—Helen G. Hendee,	256 Pearl Street.
A Primary—Mrs. Josephine A. Metts,	139 No. Willard St.

B Primary—Josephine M. Everett, 241 North Street.
C[1] Primary—Emma C. Lanou, 28 Lafountain Street.
C[2] Primary—Mary E. Russell, 38 Orchard Terrace.
Special Assistant—Ruth E. Van Cor, 221 N. Winooski Ave.
Kindergarten—Mrs. Laura R. Gardner, 74 So. Union Street.

Pomeroy School.

Principal and C Grammar—Mrs. Kate P. Miller, 75 Grant Street.
A Intermediate—Dora E. Smith, 32 Booth Street.
B Intermeeiate—Anna L. Burnham, 78 No. Prospect Street.
C Intermediate—Mary E. Enright, 132 Colchester Avenue.
A Primary—Maude M. Weeks, 25 Booth Street.
B Primary—Lida M. Lanou, 26 Lafountain Street.
C[1] Primary—Frances M. Lewis, 19 School Street.
C[2] Primary—Agnes M. Mulqueen, 83 Cherry Street.
Special Assistant—Bertha M. Smith, 133 Loomis Street.
Kindergarten—Edith C. Oakes, 86 Loomis Street.

Ira Allen School.

Principal C Grammar, A Intermediate—Cora B. Drew, 82 Grant Street.
B and C Intermediate—Minnie A. Goodell, 8 So. Willard St.
A and B Primary—Della L. Calvert, Winooski, Vt.
C Primary—Estelle M. Packard, Winooski, Vt.

Chase Street Kindergarten.

Teacher—Gertrude M. Wheeler, 229 Colchester Avenue.

Adams School.

Principal—Emma J. Chapman, 24 Bay View Street.
Assistant—Mary A. Farrell, 45 Spruce Street.

Assistant—Mary E. Fuller,	36 Front Street.
Assistant—Ella J. Barrows,	Shelburne Street.
Assistant—Nellie Ayling,	75 Monroe Street.
Assistant—Winifred E. Rice,	43 Clarke Street.
Kindergarten—Nellie W. Hickok,	36 Clarke Street.

Archibald Street Primary.

Principal—Mrs. Lois M. Malaney,	63 Elmwood Avenue.
First Assistant—*Mary M. Walsh,	70 Rose Street.
Second Assistant—Mary F. Madigan,	89 No. Champlain St.

S. W. Thayer School.

Principal—Rosalyn M. Spaulding,	Appletree Point.
Assistant—Amy H. Hathaway,	339 North Street.

Park Avenue Primary.

Principal—Laura L. Brownell,	516 St. Paul Street.
Assistant—Emma A. Robair,	32 No. Bend Street.
Teacher of Drawing—Ella K. Herrick,	31 No. Willard St.
Teacher of Music—J. H. Humphrey,	433 So. Willard Street.

Winooski Avenue Evening School.

Teacher—George S. Lee,	5 So. College.

Janitors.

Edmunds High School—Francis J. Dunbar,	113 Buell Street.
Engineer—Russell Hallett,	181 So. Union Street.
Night Engineer—John Coleman,	56 Maple Street.
Grammar School—Henry Rice,	292 North Street.

*Miss Walsh on leave of absence. Place filled by Maude Russell, "The Richardson."

Adams and Main Street Grammar—W. H. Watkins, 219 Elmwood Avenue.
Converse School—L. S. Hebb, 85 Bank Street.
Lawrence Barnes School—Joseph Pine, 4 Rose Street.
Pomeroy School—John Lessor, 15 Hyde Street.
Ira Allen School—Edwin Loosemore, 431 Pearl Street.
Archibald Street Primary and Ungraded Schools—Madison Paxton, 65 Lafountain Street.
S. W. Thayer School—F. W. Sharpley, North Avenue.
Park Avenue—W. T. Rockwell, Park Avenue.
Falls School—G. A. Rumsey, Chase Place.

LOCATION OF SCHOOLS.

Edmunds High School—S. E. Cor. Main and So. Union Streets.
Grammar School—N. W. Cor. College and So. Willard Streets.
Main St. School—N. W. Cor. Main and So. Union Streets.
Converse School—S. W. Cor. Pine and Cherry Streets.
Lawrence Barnes School—S. W. Cor. North and Murray Streets.
Pomeroy School—S. W. Cor. North and Booth Streets.
Pomeroy Annex—128 No. Winooski Ave.
Ira Allen School—Colchester Avenue, near East Avenue.
Adams School—So. Union Street, between Bay View and Howard Streets.
Adams Annex—So. Union Street, near Howard Street.
Archibald Street School—Cor. Archibald and Spring Streets.
S. W. Thayer School—North Avenue.
Park Avenue Primary—Park Avenue, near Howard Park.
Falls School—Chase Street.

CLASS DAY EXERCISES.

HIGH SCHOOL HALL, THURSDAY, JUNE 21, 1900,
AT EIGHT P. M.

PROGRAMME.

The Marathon Race—High School Chorus.....*Bizet*
History.....Helen M. Reed
Oration—Success.....Arial W. George
Poem.....Theodora Peck
Swiss People's Song—High School Chorus.....*Kucken*
Prophecy.....Walter Ware Johonnott
President's Address—True Americanism,
Henry O. Wheeler, Jr.
America.....High School Chorus

CLASS OFFICERS.

President.....Henry O. Wheeler, Jr.
Vice-President.....Arthur H. Sargent
Secretary.....Georgiana MacBride
Treasurer.....Arthur E. Pope
Assistant Treasurer.....Harry S. Percival

PERMANENT ORGANIZATION.

President.....Harry C. Burrows
Vice-President.....Sadie Mason
Secretary.....Ruth Johonnott
Treasurer.....Stewart Elting
Custodian.....Charles N. Perkins

GRADUATING EXERCISES, CLASS OF '00. BURLINGTON HIGH SCHOOL.

HOWARD OPERA HOUSE, FRIDAY, JUNE 22d,

AT TWO O'CLOCK, P. M.

"Facta non verba."

PROGRAMME.

MUSIC.

The Jolly Musketeer—Orchestra ..... *Julian Edwards*
A National Highway ..... Ruth Johonnott
Spring Visitors ..... Eva M. Macomber
The Battle of Bunker Hill ..... Theodora Peck
Russia and Her Relations to the World,
Frank Nelson Chamberlin

MUSIC.

Pilgrim Chorus—High School Chorus ..... *Verdi*
Abt Vogler ..... Gertrude Reed Powell
Superstitions ..... Sadie Florence Mason
Why Washington may justly be called Great,
William M. Mulheron

MUSIC.

The Water Lily—High School Chorus ..... *Arr. from Gade*
Westminster Abbey ..... Alice H. McMahon
The Porto Rican Tariff Bill ..... R. H. D. Emerson

MUSIC.

The Lord is Great—High School Chorus ..... *Mendelssohn*
The Puritans ..... Helen B. Miles
Freedom ..... Arthur Hayes Sargent

MUSIC.

Air de Ballet—Orchestra ..... *Puerner*

PRESENTATION OF DIPLOMAS.

Supt. H. O. Wheeler.

Presentation of Teachers' Certificates.

County Examiner, John E. Allen.

Awarding of Prizes.

Alumni Association Prizes.

For Scholarship and Deportment.

Classical Course.....Mabel Southwick.
Latin-English Course.....Helen Lyman.
English Course.....Gladys Dodds.

Howard Educational Fund Prize.

Excellence in Scholarship for the entire course,

First.....Helen Miles.
Second.....Ruth Johonnott.
Third.....Gertrude Powell.

MUSIC.

March, Spirit of Liberty.—Orchestra.....*George Rosey.*

GRADUATES.

ENGLISH COURSE.

Dodds, Gladys Agatha
Elting, Stewart O.
Evans, Leslie H.
George, Arial Wellington
Green, Margaret Anna
Hathorne, Nathaniel G.
Latour, George Eugene
Morgan, Jackson Earl
Peters, Jennie Mabel
Rockwell, Jesse W.
Spear, Charles W.
Wakefield, Mabel Emma
Wells, Frederick Coffing
Wheeler, George E.

CLASSICAL COURSE.

Emerson, R. D. H.
Jarvis, DeForest Clinton
Johonnott, Ruth
Johonnott, Walter Ware
Kimball, Charles B.
Macrae, Durant L.
Miles, Helen B.
Mulheron, William M.
Pope, Arthur Edward
Powell, Gertrude Reed
Richmond, Marion Ethel
Richmond, Mary Lorraine
Robertson, Grace M.
Sargent, Arthur Hayes
Van Patten, Elizabeth Penfield
Wheeler, Henry Orson, Jr.

LATIN–SCIENTIFIC.

Allen, Grace Amira
Bradlee, Fannie King
Brown, Harry Thompson
Brownell, Agnes Anna
Burrows, Henry Cragin
Chamberlin, Frank Nelson
Clement, Henry Chamberlain
Cushman, Corabel
Davis, Merton Edmund
Doyle, Mary Eileen
Gleason, Grace Jeanette
Gove, Elmer Ellsworth
Hawley, Bessie C.
Hickok, Kate Morton
Lee, Frank B.
Little, Frances Louise
MacBride, Georgiana
Macomber, Eva M.
Mason, Sadie Florence
McCullough, Mary Ellen
McMahon, Alice Marie
Mead, Marrs B.
Merrihew, Winifred D.
Mix, Mabel Mae
Murphy, John Charles
Osgood, Nellie May
Palmer, Julia Russell
Peck, Theodora
Percival, Harry Spaulding
Perkins, Charles Norman
Read, Eliza Belle
Reagan, John Patrick
Reed, Helen M.
Spear, Irwin
Van Vliet, Lewis Nelson
Weller, Mary Eaton
Wheeler, Luella M.
White, Helen Edith

TEACHERS' COURSE.

Allen, Grace Amira
Allen, Carrie
Bradlee, Fannie King
Cushman, Corabel
Dodds, Gladys Agatha
Doyle, Mary Eileen
Macomber, Eva M.
McCullough, Mary Ellen
Merrihew, Winifred D.
Mix, Mabel Mae
Osgood, Nellie May
Peters, Jennie Mabel

BURLINGTON HIGH SCHOOL COMPETITIVE PRIZE SPEAKING

FOR CLASS OF '90 PRIZES, BY CLASS OF '00, Y. M. C. A. HALL, MARCH 23, 1900, 730: P. M.

PROGRAMME.

1 James Russell Lowell .....Georgiana McBride
2 Cecil Rhodes and his Policy .....Walter Ware Johonnott
3 Adventurous Voyage of Queen Elizabeth's Reign, Grace Allen
4 William Ewart Gladstone ..... Arial Wellington George

MUSIC—MANDOLIN CLUB.

5 The Boers : Who are they and what are their rights ? M. Alice McMahon
6 A Permanent International Court of Arbitration, Henry O. Wheeler, Jr
7 Joan of Arc.....Fanny King Bradlee

MUSIC—MANDOLIN CLUB.

8 Why is Washington justly called Great ? ... Irwin Spear
9 The Defeat of the Spanish Armada.....Ruth Johonnott
10 Benefit of a World's Fair.....Arthur H. Sargent

MUSIC—MANDOLIN CLUB.

JUDGES.

Prof. C. W. Doten, Dr. William H. Englesby,
James D. Benedict.

USHERS, CLASS OF '00.

Stewart Elting, Charles Perkins, Nathaniel Hathorne,
Dwight Emerson, Merton Davis, John Murphy,
Will Mulheron, Jesse Rockwell, Jack Morgan.

AWARDING OF PRIZES.

Boys' Prize—Henry O. Wheeler, Jr.
Girls' Prize—Ruth Johonnott.

HONORABLE MENTION.

Arthur S. Sargent, Alice McMahon.

REPORT

OF THE

Superintendent of Public Schools.

To the Honorable the City Council:

GENTLEMEN:—In compliance with the requirements of the City Charter, I have the honor to present the report for the Department of Public Schools, (the thirty-third to the City Council, and my twenty-first) for the year 1900.

FINANCIAL STATEMENT.

RECEIPTS.

City appropriation	$55,300 00
Interest on U. S. Deposit fund	1,761 97
" Huntington fund	555 99
" School fund	52 99
Rent of School Lands	159 35
Tuition from non-resident pupils	1,077 00
Sundries	116 22
State Treasurer, State Tax	2,113 17
Rent	152 00
Overdraft on temporary loan	967 06
Total	$62,255 75

DISBURSEMENTS.

Teachers' salaries	$33,762 86
Superintendent's salary	1,500 00
Janitors and cleaning	4,995 00
Repairs	5,256 78
Fuel	4,122 74
Incidentals	4,006 92
Supplies	2,791 35
Furniture	4,152 18
School census	216 44
Water rates	375 70
Insurance	321 74
Apparatus, maps and charts	39 04
Truant officers	388 00
Rent	327 00
Total	$62,255 75

RECAPITULATION.

Total receipts by city treasurer	$62,255 75
Total disbursements	62,255 75

LAWRENCE BARNES SCHOOL CONSTRUCTION ACCOUNT.

RECEIPTS.

Balance brought forward	$96 84

EDMUNDS HIGH SCHOOL CONSTRUCTION ACCOUNT.

Amount disbursed in 1898	$12,310 74	
Amount disbursed in 1899	68,718 63	
Amount disbursed in 1900	26,911 15	
		$107,940 52

We, the undersigned, have examined the books and vouchers for the year 1900 of H. O. Wheeler, Superintendent of Schools, and find them correct.

GEO. W. BECKWITH,
JOHN C. FARRAR, } Auditors.
THOMAS FAILEY,

In behalf of the Board of School Commissioners, I present the following estimates of receipts and disbursements for the year 1901 :

RECEIPTS.

Appropriation	$56,000 00
Interest on U. S. Deposit fund	1,761 97
" Huntington fund	555 99
" School fund	53 00
Rent from leased land.	160 93
Tuition from non-resident pupils	1,285 00
State tax	2,113 17
Rent	162 00
Total	$62,092 0

DISBURSEMENTS.

Teachers' salaries	$35,000 00
Superintendent's salary	1,500 00
Clerk's salary	500 00
Janitors and cleaning	5,000 00
Repairs	2,000 00
Fuel	5,000 00
Apparatus, maps and charts	1,500 00
Incidentals	4,000 00
Supplies	3,000 00
Furniture	2,000 00
School census	225 00
Water rates	400 00
Insurance	400 00
Truant officers	400 00
Rent	200 00
Overdraft	967 06
Total	$62,092 06

VALUE OF SCHOOL PROPERTY.

REAL ESTATE.

As appraised by the City Assessors.

High School	$40,000 00
Adams School	20,000 00
Pomeroy School	35,000 00
Main Street School	7,500 00
Converse School	45,000 00
Lawrence Barnes School	24,000 00
Archibald Street School	4,500 00

Falls School, Chase Street	$1,200 00
Star Hose Building	5,000 00
S. W. Thayer School	8,500 00
Ira Allen School	21,500 00
Lot and house, 148 Colchester Avenue	2,500 00
Edmunds High School	130,000 00
Total	$344,700 00
Grand list of Burlington,	132,221 57
Population of Burlington, Census 1900	18,640

STATISTICS.

The following tables exhibit the condition of our schools by terms, in respect to enrollment, attendance, regularity, punctuality, etc., and a comparison with the important items in the statistics for the preceding year :

WINTER TERM, 1900.

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance.	Attendance, per cent.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of Visitors.
High School	Grade A	69	62	90	55	28	8	8	17
	" B	53	48	91	55	43	12	8	3
	" C	83	77	93	55	39	28	9	4
	" D	108	100	93	55	72	47	17	2
	Specials	5	4	80	55	2	1		7
Grammar School	Grade A^1	54	50	93	55	37	14	11	15
	" A^2	52	48	92	55	53	17	10	14
	" B^1	32	29	91	55	11	6	10	15
	" B^2	32	30	94	55	9	7	6	15
Main St. Grammar, No. 1		45	40	89	55	5	10	11	14
" " " No. 2		40	32	80	55	12	14	4	5
" " Primary B and C		29	25	86	55	15	5	1	4
Converse School	C Grammar	37	32	86	55	21	7	7	19
	Intermediate A	28	27	96	55	18	1	6	18
	" B	29	26	90	55	15	4	4	17
	" C	38	34	89	55	19	10	7	20
	Primary A	50	45	90	55	12	10	12	43
	" B	51	44	86	55	40	8	6	24
	" C^1	59	49	83	55	25	0	7	40
	" C^2	57	41	72	55	37	1	0	15
	Kindergarten	33	22	67	55	6	0	1	15
Lawrence Barnes School	C Grammar	21	19	62	55	8	3	9	35
	Intermediate A	35	31	89	55	16	4	12	33
	" B	43	41	95	55	18	8	14	23
	" C	49	45	92	55	25	22	11	36
	Primary A	51	48	94	55	9	4	13	67
	" B	44	40	91	55	11	1	13	55
	" C^1	53	47	89	55	19	2	10	84
	" C^2	55	46	84	55	12	4	10	59
	" C^3	23	18	78	55	5	0	2	
	Kindergarten	32	25	78	55	17	0	5	88
Pomeroy School	C Grammar	25	22	88	55	3	9	2	23
	Intermediate A	40	37	93	55	8	4	7	22
	" B	44	37	84	55	8	5	10	9
	" C	50	45	90	55	9	2	9	11
	Primary A	41	37	90	55	9	3	2	11
	" B	49	43	88	55	10	2	6	14
	" C^1	51	41	80	55	12	2	1	12
	" C^2	51	36	71	55	12	0	5	50
	Kindergarten	22	16	73	55	0	2	0	39
Ira Allen School	C Grammar	5	5	100	55	2	1	0	14
	Intermediate A	18	16	89	55	1	3	4	14
	" B and C	35	28	80	55	4	10	7	17
	Primary A	37	33	89	55	8	3	8	19
	" B and C	28	19	68	55	11	0	0	31

WINTER TERM, 1900.—*Continued.*

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance.	Attendance, per cent.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of Visitors.
Adams School	Intermediate A	27	26	96	55	8	2	7	25
	" B	32	30	94	55	9	3	7	10
	" C	40	36	90	55	9	3	10	10
	Primary A	33	29	88	55	13	4	4	57
	" B	32	27	84	55	8	5	8	31
	" C	61	51	84	55	18	1	9	49
	Kindergarten	11	11	100	55	2	0	0	54
Archibald Street School	Primary A	21	19	90	55	17	4	2	31
	" B	31	27	87	55	13	3	2	27
	" C	64	52	81	55	18	2	3	20
S. W. Thayer School	Gram. and Int.	12	9	75	55	38	3	0	22
	Primary A and B	20	16	80	55	31	2	0	22
Park Avenue School	Primary A and B	23	15	65	55	13	10	1	4
	" C	34	21	62	55	25	...	...	4
Star Hose	Ungraded, Day	22	14	64	55	13	...	...	4
	" Evening	15	9	60	65	...	...	...	1
Falls School,	" "	16	4	25	65	...	...	...	1
Totals		2380	2036	86		991	346	358	1464

SPRING TERM, 1900.

High School	Grade A	67	64	96	60	46	12	18	6
	" B	50	46	92	60	38	8	10	3
	" C	79	72	91	60	43	11	15	....
	" D	105	97	92	60	80	22	25	....
	Specials	5	4	80	60	4	1	....	....
Grammar School	Grade A^1	52	47	90	60	33	21	8	35
	" A^2	49	45	92	60	40	19	9	7
	" B^1	30	27	90	60	2	18	8	2
	" B^2	30	28	93	60	9	13	3	5
Main St. Grammar	Grammar No. 1	43	40	93	59	4	15	12	12
	" No. 2	32	28	88	60	15	8	7	11
	Primary B and C	25	21	84	49	11	2	3	13
Converse School	C Grammar	32	27	83	60	8	3	5	17
	Intermediate A	27	26	96	50	8	2	5	8
	" B	31	29	94	50	9	2	5	10
	" C	37	31	84	50	8	13	7	11
	Primary A	47	41	87	49	3	3	14	30
	" B	51	45	88	50	27	26	5	....
	" C^1	53	48	91	50	18	2	5	41
	" C^2	73	56	77	50	40	3	1	7
	Kindergarten	33	24	73	50	4	1	1	15

SPRING TERM, 1900.—*Continued.*

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of Visitors.
L. Barnes School	C Grammar	18	15	83	60	2	19	4	6
	Intermediate A	31	28	90	50	7	16	5	5
	" B	43	40	93	50	6	12	11	5
	" C	50	43	86	50	27	17	5	2
	Primary A	46	44	96	50	4	13	10	15
	" B	39	37	95	50	3	4	12	7
	" C^1	52	46	88	50	7	5	14	15
	" C^2	58	52	90	50	6	3	17	12
	" C^3	33	27	82	50	9	...	3	...
	Kindergarten	40	34	85	50	18	...	13	26
Pomeroy School	C Grammar	23	20	87	60	6	17	1	9
	Intermediate A	38	35	92	50	5	11	10	11
	" B	38	34	89	50	6	1	7	...
	" C	52	40	77	50	9	4	2	...
	Primary A	38	33	86	50	1	9	7	2
	" B	59	25	42	50	1	18	9	16
	" C^1	55	47	85	50	15	4	8	16
	" C^2	58	46	79	50	11	2	8	14
	Kindergarten	25	19	76	50	...	2	1	36
Ira Allen School	C Grammar	5	5	100	60	...	3	...	16
	Intermediate A	20	18	90	50	...	2	5	...
	" B & C	36	33	92	50	3	22	7	...
	Primary A & B	35	35	100	50	1	0	10	10
	" C	39	29	100	50	...	...	11	17
Adams School	Intermediate A	26	25	96	50	2	1	8	8
	" B	30	28	93	50	6	3	6	3
	" C	36	34	94	50	5	2	7	7
	Primary A	32	29	91	50	9	6	3	14
	" B	25	24	96	50	9	4	8	12
	" C	62	55	89	50	13	7	12	...
	Kindergarten	24	18	75	50	2	1	...	11
Archibald Street School	Primary A	20	19	95	50	8	26	5	19
	" B	24	23	96	50	6	...	4	7
	" C	72	61	85	50	8	3	6	13
S. W. Thayer Sch.	Gram. and Inter.	14	8	57	50	23	1	...	14
	Primary A and B	21	15	71	50	38	1	...	14
Park Avenue School	Primary A and B	23	17	74	50	11	10	1	2
	" C	55	37	67	50	18	...	4	3
Star Hose Ungraded	Day	20	13	65	50	10	...	...	2
Totals		2366	2197	94		765	454	409	602

FALL TERM, 1900.

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of Visitors.
Edmunds High School	Room 1	49	44	90	75	35	18	7	6
	" 3	47	44	94	75	22	13	13	4
	" 4	36	31	86	75	29	11	9	1
	" 6	47	43	91	75	50	...	9	3
	" 7	31	29	94	75	20	5	10	...
	" 9	43	37	86	75	39	15	10	4
	" 12	45	44	98	75	32	4	18	4
	" 14	28	25	89	75	38	3	8	5
Grammar School	Grammar A^1	46	42	91	75	3	21	12	12
	" A^2	45	42	93	75	11	22	9	12
	" A^3	46	43	93	75	17	19	12	12
	" B^1	44	40	91	75	5	4	9	14
	" B^2	39	36	92	75	4	3	10	7
	" B^3	38	31	82	75	12	6	0	1
Main Street	Primary	26	23	88	75	6	...	4	12
Converse School	C Grammar	25	20	80	75	13	5	3	...
	Intermediate A	33	30	91	75	11	6	4	10
	" B	33	29	88	75	22	3	1	8
	" C	50	42	84	75	14	19	5	9
	Primary A	45	40	89	75	25	6	8	10
	" B	56	50	89	75	24	21	1	14
	" C^1	60	49	82	75	35	1	1	33
	" C^2	51	38	75	75	32	0	1	10
	Kindergarten	34	26	77	75	8	2	...	10
Lawrence Barnes	C Grammar	28	25	89	75	4	3	8	13
	Intermediate A	37	34	92	75	6	3	12	8
	" B	49	45	92	70½	4	6	15	15
	" C	59	57	96	75	37	6	10	24
	Primary A	54	47	87	75	8	6	12	21
	" B	46	43	93	75	14	3	15	30
	" C^1	55	48	87	75	19	10	12	111
	" C^2	50	43	86	75	10	5	5	30
	" C^3	28	21	75	75	18	0	5	8
	Kindergarten	35	27	77	75	20	...	2	119
Pomeroy School	C Grammar	32	28	88	75	3	1	4	6
	Intermediate A	37	32	86	75	5	8	10	7
	" B	41	37	90	75	17	16	2	2
	" C	48	44	92	75	19	6	9	17
	Primary A	43	38	88	75	9	17	6	14
	" B	50	45	90	75	6	4	10	27

FALL TERM, 1900.—*Continued.*

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of Visitors.
Pomeroy School	Primary C^1	60	51	86	75	24	8	9	22
	" C^2	61	57	93	75	15	2	5	21
	Kindergarten	42	27	64	75	...	...	1	46
Ira Allen School	C Grammar	11	10	91	75	...	2	1	14
	Intermediate A	18	17	94	75	3	5	3	13
	" B and C	44	40	91	75	8	17	6	23
	Primary A and B	38	34	89	75	8	4	2	17
	" C	45	38	84	75	11	...	1	21
Adams School	Intermediate A	30	28	93	75	1	5	7	24
	" B	29	27	93	75	2	4	5	10
	" C	39	32	82	75	8	6	3	8
	Primary A	29	26	90	75	3	2	5	95
	" B	32	16	50	75	3	6	4	10
	" C	69	58	84	75	6	5	7	76
	Kindergarten	22	15	68	75	20	...	...	41
Archibald Street School	Primary A	25	23	92	75	9	11	1	11
	" B	25	21	84	75	6	...	3	8
	" C	73	59	81	75	38	5	2	6
S. W. Thayer Sch.	Gram. and Inter.	19	15	79	75	59	3	1	2
	Primary A and B	19	16	84	75	12	2	...	3
Park Avenue School	Primary A and B	35	24	70	75	21	8	...	4
	" C	73	41	56	75	31	...	...	4
Star Hose	Evening	15	8	53	15	...	...	...	...
Falls	Kindergarten	20	16	80	75	10	...	2	30
Ungraded		26	16	62	75	23	...	...	...
Totals		2588	2207	85		1027	398	369	1163

COMPARISON WITH STATISTICS OF 1899.

	WINTER TERM.				SPRING TERM.				FALL TERM.			
	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Scholars with no Absences.	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Scholars with no Absences.	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Scholars with no Absences.
Totals in 1900	2380	2036	86	358	2366	2197	94	409	2588	2207	85	369
Totals in 1899	2222	1802	81	234	2322	1996	86	379	2547	2149	84	326
Gains in 1900	158	234	5	124	44	201	8	30	41	58	1	43

REPORT OF

CHARLES E. ALLEN, City Clerk,

TO THE STATE SUPERINTENDENT.

FOR THE YEAR ENDING MARCH 31, 1900.

TABLE I—SCHOOLS.

How many "legal schools" maintained in your city since April 1, 1899?	58
How many schools of less than 28 weeks?	3
How many schools in city of 36 weeks or more?	58
What was the aggregate number of weeks of such schools as had less than 28 weeks each?	53
What was the aggregate number of weeks of schools having 28 or more weeks?	2169
What was the aggregate number of weeks of all public schools in city?	2222
What was the average number of weeks of schools having 28 or more weeks?	37
How many school houses of only 1 school and *one* teacher?	3
How many school houses of 2 schools and *two* teachers?	2
How many school houses of 3 schools and *three* teachers?	3
How many school houses of four or more schools and *four* or more teachers?	6
How many schools of 8 pupils or less during last term of school year?	2
How many schools of more than 8 and not more than 15 during last term of school year?	2
How many schools of more than 15 and not more than 25 during the last term of school year?	3
How many schools of more than 25 pupils during the last term of school year?	54

TABLE II—SCHOOL CENSUS.

How many children in city between 5 and 8 years of age?	1108
How many children in city between 8 and 15 years of age?	2334
How many children in city between 15 and 21 years of age?	1969
What is the sum of the three preceding questions?	5411
How many boys in city between 5 and 21 years of age?	2699
How many girls in city between 5 and 21 years of age?	2712

TABLE III—SCHOOL ATTENDANCE.

How many children in kindergarten?	102
How many children between 5 and 8 years of age have attended school?	790
How many children between 8 and 15 years of age have attended school?	1421
How many children between 15 and 21 years of age have attended school?	533
What is the sum of the three preceding questions?	2744
What is the sum of the *four* preceding questions?	2846
How many boys between 5 and 21 years of age have attended school?	1426
How many girls between 5 and 21 years of age have attended school?	1318
How many children have attended schools of less than 28 weeks?	65
How many children have attended schools of not less than 36 weeks?	468
What was the aggregate total attendance of all pupils between 5 and 21 years of age?	355,857
What was the average number of days of attendance of all pupils?	129.7
What was the average number of days of school for all schools in city?	181.8
What was the average attendance per day?	1957

TABLE IV—RESOURCES.

What is the grand list of your city?	$128,397.42
What per cent. of the grand list was raised last year for school purposes?	37%
What was the amount raised thereby?	$47,000.00
What amount was received from the Huntington fund?	555.99
What amount was received from the U. S. Deposit Fund?	1,761.97
What amount was received from the 5 per cent. State tax in July, 1899?	2,055.18
What amount was received in tuition from other towns or districts?	1,336.66
What amount was received from other sources?	389.19
What is the sum of the six preceding questions?	53,098.99
How much, if any, is your city in debt for repairs and new school buildings?	224,000.00

TABLE V—EXPENDITURES.

What amount was paid for teachers' wages including board for the year?	$31,037.58
What amount was paid the Superintendent of Schools for services?	1,500.00
What amount was paid the School Directors for services?	Nothing
What amount was paid for regular and supplementary text books	2,843.36
What amount was paid for incidentals and insurance?	3,307.32
What amount was paid for fuel?	3,675.28
What amount was paid for janitor services?	4,098.47
What amount was paid for furniture?	184.60
What is the sum of the eleven preceding questions?	46,646.61
What amount was paid for repairs?	4,966.40
What amount was paid for new buildings?	68,718.63
What is the sum of the three preceding questions?	120,331.64
The answer to the preceding question is what per cent. of the grand list?	94%

TABLE VI—SCHOOL HOUSES AND SUPPLIES.

How many school houses in your city ?	13
Including 2 rented buildings	15
How many school houses unused for school purposes during whole of past year ?	0
How many new school houses have been built the past year?	1
How many school houses have been furnished with new supplies ?	All
How many are furnished with dictionary or books of reference ?	All
How many are furnished with charts, globes, or maps ?	All
How many have a library ?	All

TABLE VII—TEACHERS.

How many different male teachers have been employed the past year ?	6
How many different female teachers have been employed the past year	67
How many teachers have attended Vermont Normal Schools ?	3
How many teachers are graduates of Vermont Normal Schools ?	2
How many teachers retained in the same school only 1 term ?	4
How many teachers retained in the same school only 2 terms ?	6
How many teachers retained only 3 terms in the same school ?	11
*State in years, the longest time that a teacher has been employed in the same school ?	$27\frac{2}{3}$
How many teachers are college graduates ?	11

TABLE VIII—TRANSPORTATION.

How many schools were closed 1 term only ?	2

TABLE IX—MISCELLANEOUS.

How many visits were made by the City Superintendent ?	283
How many visits were made by the School Commissioners ?	3

*Miss Mary E. Wells.

Is there a public library in your city? ..... Yes
How many volumes?.....About 32,000
Is there a Parochial school in your city?..... Yes
What is the number of attendants above five years of age?...About 1200
Is there a private school, not a Parochial school, an academy or seminary, in your city?..... Yes
What is the number of attendants above five years of age?... About 200
Is there a kindergarten school in your city? (4 public, 1 private)..... Yes
What is the estimated number of pupils from your city attending high schools, academies or seminaries in other towns?.....Very small
Have teachers' meetings been held by your City Superintendent during the past year?..... Yes
Has a city school, or an exhibition by all the schools in city, been held during the past year?..... No

TABLE X—School Officers for the School Year, 1900-1901.

CHARLES C. MILLER, Chairman.
ELIHU B. TAFT,
JOSEPH I. FUGERE,
BUEL J. DERBY,
DONLY C. HAWLEY, Clerk.
HENRY O. WHEELER, Supt.
} School Board.

This is to Certify, That there have been maintained in this city for the school year ending March 31, 1900, 58 legal schools of 28 or more weeks.

CHARLES E. ALLEN, City Clerk.

City of Burlington, County of Chittenden.

July, 1900.

SCHOOL CENSUS.

CITY OF BURLINGTON SCHOOL CENSUS, FOR THE YEAR 1900.

BURLINGTON, VT., March 31st, 1900.

To the Board of School Commissioners:

GENTLEMEN :—I have just completed the annual School Census for the City of Burlington, in pursuance of the law, a summary of which is hereby presented.

Table No. 1, shows the number of children of each year of school age, in each of the wards, with the totals for each ward and for the entire city, together with the number of illiterates and the percentage of illiteracy.

TABLE NO. 1. SCHOOL CENSUS, 1900. TABULATED BY WARDS.

WARDS	NUMBER OF CHILDREN OF EACH YEAR OF SCHOOL AGE.																TOTALS.						
	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	5 to 8	8 to 15	15 to 21	5 to 21	Boys. 5 to 21	Girls. 5 to 21	Families.
1st.....	16	16	22	21	14	19	24	27	23	17	26	34	15	23	25	37	54	145	160	359	161	198	141
2d.....	130	103	115	106	104	91	102	88	101	116	97	107	110	89	75	90	348	708	568	1624	828	796	691
3d.....	139	99	89	104	105	97	93	91	90	89	84	79	64	83	59	67	327	669	436	1432	717	715	553
4th.....	37	23	33	32	32	30	26	40	35	40	42	42	35	45	28	50	93	235	242	570	297	273	256
5th.....	91	108	87	72	74	82	82	97	85	85	106	87	106	107	86	71	286	577	563	1426	696	730	557
Totals	413	349	346	335	329	319	327	343	334	347	355	349	330	347	273	315	1108	2334	1969	5411	2699	2712	2198

Totals Showing Number of Illiterates and Percentage of Illiteracy.

WARDS.	8 to 15	Illiterate 8 to 15	Percentage of Illiteracy.	15 to 21	Illiterate 15 to 21	Percentage of Illiteracy.	8 to 21	Illiterate 5 to 21	Percentage of Illiteracy.
First.....	145	2		160	3		305	5	
Second.....	708	1		568	6		1276	7	
Third	669	2		436	8		1105	10	
Fourth.....	235	1		242	1		477	74	
Fifth.....	577	44		563	32		1144	4	
	2334	50	2.14+	1969	50	2.53+	4303	100	1.84+

By comparing this with my former reports, it will be seen that the present enumeration exceeds that of last year by four hundred and two, and further that it exceeds that of 1898, which is the largest in the history of the City up to the present time, by exactly three hundred. In the first ward the number is the same as last year, while in the fourth it is decreased by twenty. The second ward shows a gain of 145, the third a gain of 34, and the fifth a gain of 243.

This extraordinary increase in ward five is largely at Lakeside Park, where there has been a large influx of families, and where the number of children of school age is two hundred and ninety-seven.

With this large increase at Lakeside Park and with a considerable increase at the "Addition" it is obvious that we must soon furnish additional quarters in this section. This will mean a new school building in the southern part of the city.

The present enumeration is to my mind exceedingly gratifying, as it attests beyond a question the continuing growth of our city.

Respectfully submitted,

D. C. HAWLEY, M. D.,

Clerk of Board of School Commissioners.

SCHOOL SAVINGS.

Burlington Trust Company's statement of School Savings accounts:

Balance Jan. 1, 1900	$3,985 93
Total deposits since Jan. 1, 1900	783 75
	$4,769 68

Total withdrawals since Jan. 1, 1900		516 78
Balance Jan. 1, 1901		$4,252 90
Amount standing to teachers' credit		115 41
Balance of School Savings		$4,368 31
Number of accounts open at last report	580	
Number of accounts opened during the year	118	
Total	698	
Number of accounts closed during the year	55	
Total number of accounts open Jan. 1, 1901	643	

A gain of 63 since last report.

The deposits from the schools have been as follows:

Grammar School	$16 21
Main Street Grammar No. 1	
Main Street Grammar No. 2	
Main Street Primary	7 13
C Grammar, Converse	
A Intermediate, Converse	1 25
B Intermediate, Converse	1 60
C Intermediate, Converse	12 24
A Primary, Converse	13 85
B Primary, Converse	53 08
C Primary, Converse	55 43
Converse Kindergarten	34 70
Lawrence Barnes School	77 89
Pomeroy School	256 80
Adams Intermediate	19 30
Adams Primary	33 41
Archibald Street School	91 59
Ira Allen School	9 74

S. W. Thayer School	$2 00
Park Avenue School	1 23
Total received during the year	$687 45
Amount received directly from the pupils	96 30
Total deposits for year 1900	$783 75

TEACHERS.

The educational institutions represented by our teachers, as graduates or as partial course students, are as follows, viz:

University of Vermont and State Agricultural College	9
Yale University,	1
Bowdoin College	1
Amherst College	1
Middlebury College	1
University of Michigan	2
University of Minnesota	1
Wellesley College	1
Burlington High School	20
Boston Girls High School	1
Johnson, Vt., State Normal School	2
Oswego, N. Y., State Normal School	10
Brockport, N. Y., State Normal School	1
Potsdam, N. Y., State Normal School	1
Salem, Mass., State Normal School	2
Willimantic, Conn., State Normal School	2
Worcester, Mass., State Normal School	1
Windsor, Vt., High School	1
Roxbury, Mass., High School	1
New Hampton Institute, Fairfax, Vt.	1

Mrs. J. H. Worcester's Seminary	1
J. S. Cilley's Academy, Williston	1
Essex, Vt., Classical Institute	1
Castleton, Vt., Academy	1
Troy Conference Academy, Poultney, Vt.	1
Mount St. Mary's Academy	1
Chauncy Hall Kindergarten Training School, Boston	1
Ethical Culture Schools, Kindergarten Normal Department, New York City	1
Temple College Kindergarten Training, Philadelphia	1
Miss Fisk's Kindergarten Training School, Montpelier, Vt.	1
Total number of Teachers	70

SCHOOL PROPERTY.

The most important event of the year connected with our Public Schools, was the completion of the Edmunds' High School.

The need of a new High School building, the steps taken to secure it, and the progress made in respect to location, plans, and construction up to January 1, 1900, have been set forth in previous reports.

It remains now to speak of the dedication of the building, of the transfer of the school from the old to the new home, and to give a description of the building.

The dedicatory exercises were held in the Assembly Hall, April 28, 1900, under the general direction of Mr. Charles C. Miller, President of Board of School Commissioners, who presided, and were, in brief as follows:

Prayer—Offered by Rev. W. S. Roberts, D. D.

Music—By High School chorus conducted by Mr. J. H. Humphrey, Supervisor of Music.

Historical Address—President, Charles C. Miller.
Address—Honorable Robert Roberts, Mayor.
Music—High School Chorus.
Address—President M. H. Buckham, "The High School as the safe-guard and hope of American Civic life."
Music—High School Chorus.

The Assembly Hall was crowded with a deeply interested audience.

At the close of the exercises, many availed themselves of the opportunity to inspect the building under the guidance of members of the School Board and of the teachers.

The following letters were received from Hon. George F, Edmunds, and Mr. J. D. Bartley and Mr. S. W. Landon, two former principals of the school:

PHILADELPHIA, April 13, 1900.

My Dear Mr. Wheeler:

I have your very kind note of the 10th inst., inviting me to attend the opening of the new high school building on the 30th instant. I always enjoy visiting the city I have loved so long, but it is not possible for me to be in Burlington at that time. I heartily congratulate the people of the city on the prospect of having improved and increased facilities for that free public education so absolutely essential to the safety and welfare of a people's government, and which is, also, one of the chief corner stones of truth and justice. I most gratefully appreciate the honor the city has done me in associating my name with the building and the good work to go on in it. I wish for the school every measure of prosperity and for the friends and people among whom I have spent the largest part of my life, every happiness, I am, in haste,

Very sincerely yours,
GEORGE F. EDMUNDS.

WASHINGTON, D. C., April 23, 1900.

H. O. Wheeler, Esq., Superintendent of Schools, Burlington. Vt.:

My Dear Friend:—Please express my thanks to your committee for the invitation to be present at the opening of your beautiful new High School at Burlington, on April 26.

It would give me very great pleasure to join you in the exercises of that day, but an extended trip South at this time, will prevent.

I have found good people and pupils in such fair cities as Newburyport, Mass., Concord, N. H., and Bridgeport, Conn., but I believe that Burlington, beautiful Burlington, comes nearest to the very citadel of my affections.

With the memory of over six years of happy work there and with hearty congratulations and best wishes, I am

Yours very truly,

JOSEPH DANA BARTLEY.

Bradford, Mass.

Principal S. W. Landon, now of Bordentown, N. J., also sent a cordial letter in reply to the invitation extended to him by Superintendent Wheeler, in which he said :

"I wish to thank you most cordially for your invitation to me to be present at the opening of the new high school, and I cannot tell you how sorry I am that I cannot accept. It is practically impossible for me to do so and this for a variety of reasons."

The following extract from *The Daily Free Press* of April 29, 1900, may be taken as the expression of the popular interest in, and appreciation of the new building and the school :

"The dedicatory exercises of the handsome new Edmunds high school took place yesterday afternoon at 2:30 in the assembly hall of the building. The exercises were excellent in character and were attended by an audience which filled the hall and forced some to secure places upon the second floor where the addresses could be heard from the balconies. The address of President M. H. Buckham was appropriate to the occasion and commanded the close attention of the audience ; the remarks of Mayor Robert Roberts and President C. C. Miller of the school board, who presided, were worthy of the occasion and the music of the high school chorus, under the direction of Prof. J. H. Humphrey, was very well received.

Although the grounds which have not yet been graded, will add much to the external appearance of the new building, its handsome architecture and excellence of arrangement and appointments fills the heart of every citizen with just pride. The audience yesterday was a representative one and indicates in no small degree that the interest of the city in matters educational was never more marked.

"The dedication of the Edmunds high school yesterday afternoon marked the beginning of a new epoch in the educational progress of Burlington. The reputation of our high school has long been enviable, its rank among the best preparatory schools in the State having been generally recognized. The work of the institution was seriously handi-

capped, however, by lack of modern appliances and by cramped quarters; and the town had unquestionably suffered material loss during the past few years on account of the necessity experienced by the school board of turning away many pupils from outside of the city who desired to gain some of the benefits of our educational system."

The erection of the Edmunds high school which is a monument to the generosity of the distinguished statesman whose name it bears as well as to the public spirit and progressiveness of our taxpayers, places Burlington among the foremost cities of its size in the United States, as regards educational facilities. The new building embodies all of the most modern and approved features of school structures of this character, and with the accommodations and appliances which are to be afforded it will be possible to provide a curriculum that will make Burlington's high school one of the most successful preparatory schools in New England."

The description of the building and account of its construction, which appear below, are furnished by the architect, Mr. W. R. B. Wilcox:

THE EDMUNDS HIGH SCHOOL.

Competition for plans for the new High School building was announced April 20, 1898. Drawings were received until May 18th. Thirty-one architects submitted designs and a month later the Board of School Commissioners decided to adopt that of W. R. B. Willcox of this city. Three weeks were devoted to the preparation of working drawings. Bids were then sought for making the basement excavation and building the foundation walls to grade. The Champlain Manufacturing Company of this city, secured this contract, and the work was performed by Dodge & Devanny of Pittsfield, Mass. While the work was in process an order was placed with the Woodbury Granite Co. of Hardwick, Vt., for the granite face work, and the proposal of Prescott, Buckley & Callanan of Keeseville, N. Y., for completing the structure, secured in competition, was accepted. Before the work was abandoned that fall the walls had risen to the height of the water table or sill course of the first story.

As early as practicable in the spring of 1899 work at the building was resumed. The terra cotta which had been manufactured during the winter by the Standard Terra Cotta Co. of Perth Amboy, N. J., was early delivered upon the grounds, while the window and door frames built at the shops of the contractors were brought across the lake upon the first boat after the ice broke up. The gray brick, ordered in the fall of the Hydraulic Press Brick Co. of New York, were delivered in two or more consignments as needed. Singular good fortune was experienced in regard to the delivery of structural iron, floor beams and roof trusses, furnished by the Pittsburg Bridge Co., the order for which had been placed just previous to the largely increased demands of that season,

which caused delays on over 80 per cent of building enterprises throughout the country. Early in the year Prof. S. H. Woodbridge of Boston, Mass., prepared final plans for the heating and ventilating plant, the contract for installing the same being let subsequently to W. H. Buckley & Co. of this city. It is an interesting fact that from the beginning of operations in the spring up to the time the building was roofed, there were but two days when inclement weather interfered with the work for more than part of the time, the rains coming, with the exception of a few brief showers, at night.

The completed building shows a basement story of quarry faced granite, the granite reaching to the water table at the level of the window sills of the main story. The three principal entrances, furnished by J. W. Goodell of this city, are of the same kind of granite but dressed to a smooth surface. They extend upward through the height of the first story, that of Union street terminating in a balcony accessible from the library on the second floor.

The material of the walls from the water table to the eaves, as well as of the two ventilating stacks, which rise systematically above the roof to the north and south, are gray brick with white terra cotta string and ornamental courses, while the roof is of black Pennsylvania slate.

To review the interior arrangement, the Union street entrance at the middle of the west front opens upon a corridor having the administrative offices on either side; those of the superintendent of schools and school commissioners to the right, and the principal and teachers to the left, each with toilet and coat rooms and commodious store rooms. This corridor continues to a junction with the main corridor extending the length of the building between the north and south entrances, and across which from the Union street entrance ascends the main stairway. This stairway divides at a landing a half dozen steps above the floor and continues to the floor above by two flights, one to the north and one to the south. A similar stairway extends between the second and third floors, while just within the north and south entrances are stairways leading from the basement to the third floor.

The plan of the ends of the building is practically alike on all floors, there being a class room in each corner with a recitation room and stairway between. These rooms open upon corridors running from the main corridor to the east wall of the building. These three corridors confine a space 60 ft. square in the middle of the east side, occupied through the height of the first two stories by the Assembly Hall, and on the third floor by two laboratories with specimen rooms and a Lecture Hall. Directly over the Union Street entrance and flanking offices is the Library, with a recitation room on either side, with a Teachers' and Girls' Retiring Room beyond them on the second floor, while the corresponding space on the third floor is finished for a large Draughting Room with Photographic and Modeling Rooms to the North and South. The basement contains Toilet and Bicycle Rooms adjoining the North and South entrances, a Gymnasium, Janitor's Room, coal bunker, boiler, engine and fan rooms.

The interior finish throughout the building, with the exception of the Assembly Hall, consisting of door and window casings, wardrobes and paneled wainscoting around all rooms and corridors is of quarter

sawed oak. The Assembly Hall, 60 ft. square by 27 ft. high, has all the woodwork painted white with the walls tinted a warm reddish color, and the ceiling panels a pale green with stenciled borders of a darker green. There are nine ceiling panels, formed by the crossing of four beams 3½ ft. deep. The scheme of the arches over the three large windows in the east wall is continued around the room framing the entrances with superimposed balconies at the middle of the north and south sides and elsewhere forming wall panels which it is to be hoped may ere long be filled with fitting allegorical or historical paintings.

The heating plant is installed beneath the Assembly Hall and is operated as follows: fresh air is taken from out doors and drawn by means of a rotary fan through a large coil of steam pipes, which serve in part to raise the air to the required temperature; thence it is borne through ducts to upright brick flues leading to the several rooms into which it is expelled at eight feet above the floor. In each flue is a subordinate steam coil which effects the final tempering of the air. After completing the circuit of the room, the air is forced to the attic through brick vents and thence to the ventilating stacks. This system insures to each pupil fifty cubic feet of fresh air per minute. At night the fan is stopped and the fresh air intake closed, and direct steam coils in each room preserve the proper temperature without the expense of continued warming of cold air from without.

Before planning the foundations, an excavation was made near the Northwest corner of the building and the nature of the soil at the depth of the footings was found to be of a clay formation of exceeding hardness when dry, and later it was found to vary but slightly throughout the diggings. Unexpectedly no springs were opened within the area of the excavation, while about the only large obstruction met with was the large boulder, which was transported to Battery Park where it now bears the tablet erected by the Daughters of the American Revolution. The footings of all walls and piers are of concrete from one to three feet in thickness and of varying areas so proportioned that all loads bear upon the soil at the rate of two and a half tons per square foot. The exterior walls of the building are virtually a series of piers spanned by the arches of the second story windows, and as these piers actually carry the floors, all masonry from the footings to the crown of the arches might be removed and the stability of the building be practically unimpaired. By a singular coincidence, the height of the building from the footings to the peak of the roof is an even hundred feet. The roof itself weighs 105 tons and is carried principally by four iron trusses of 80 ft. span bearing upon eight interior piers, the outer walls receiving but a small percentage of the total load. The ventilating stacks extend 20 ft. above the roof and are 10½ ft. square. The laboratories and the Lecture Hall, the latter amphitheatrical in form and lighted by means of a skylight, with a seating capacity of 100 pupils, are borne upon two steel plate girders four feet deep, 63 ft. long and weighing 7½ tons each. The floors of these rooms form the ceiling of the Assembly Hall and the girders mentioned are encased in the ceiling beams running north and south.

The twelve corner class rooms for fifty pupils, and six recitation rooms for twenty-five pupils, each give available accommodation for 750 pupils, besides four laboratories, draughting room, library, lecture and

assembly hall. Each floor is provided with janitor's cupboards, general store rooms, wardrobes, two drinking fountains and two standpipes for use in the case of fire. Telephone connection is had between all rooms and the principal's office, where also is the master clock regulating the electric clock system installed in the building.

Giving honor to whom honor is due in the construction and furnishing of the building, the following names should appear, viz.

Architect—W. R. B. Willcox.
Contractors for excavation and foundation—The Champlain Manufacturing Company.
Contractors for building above foundation—Prescott, Buckley & Callanan.
Plans for warming and ventilating—S. Homer Woodbridge Company.
Contractors for warming and ventilating—W. H. Buckley & Company.
Electric line system—The Standard Electric Line Company.
Furniture for offices of School Board, Superintendent, and for teachers —The Derby Desk Company.
Desks and chairs for pupils in class rooms—The Chandler Adjustable Chair and Desk Company, and the Grand Rapids School Furniture Company.
Recitation seats for recitation rooms—The Vermont School Furniture Company.
Portable seats for Assembly Hall—H. J. Harwood.
Superintendent of all mason work, including plastering—John W. Coffey.
Superintendent of wood-work and painting—Charles Whitney.
Inspector of wood construction until deemed necessary to have superintendent upon work constantly—Alfred L. Austin.
Plans for grading the grounds—Prof. F. A. Waugh.
Grading—In part by Mr. Curtis, but mainly by Peter Sheeran.
Plans for equipment of Chemical Laboratory—Profs. N. F. Merrill and H. A. Torrey
Plans for equipment of Physical Laboratory—Mr. George M. Butt.
Equipment of Laboratories—Alfred L. Austin and W. H. Buckley & Company.
Constant and careful supervision and attention—All members of the Board of School Commissioners.

The building, in conception, location, design, material construction, and general appointments and furnishings is admirably adapted to its purposes, and reflects great credit upon those who have taken and borne the burden of it, in the different ways indicated above, from beginning to end. For myself, I am profoundly grateful that we have such a

building, and I heartily congratulate the city upon its possession.

Principal Thomas having made his assignment of teachers and pupils to the different class rooms in the new building, on the day following the dedication, April 29, 1900, moved his school to its new home, and on the following Monday, May 2nd, began regular work under most favorable circumstances.

Considering the long expectation and waiting, the hope frequently deferred, and the great change involved in the reorganization, the transfer and installation were effected very pleasantly and satisfactorily. The scholars have adapted themselves to the new conditions in a very commendable manner, and the general tone and spirit of the school have been admirable.

SINGLE SESSION.

When the new building was occupied, on the application of the teachers, the school board voted to adopt for the remainder of the term, in the High School, a single solid session, opening at 8.30 o'clock A. M. and closing at 1 o'clock P. M.

This arrangement was continued during the fall term, and is still followed.

A great difference of opinion exists among the patrons of the school as to the advisability of following this plan, but the teachers and pupils seem to be practically unanimous in favor of it.

For the purpose of ascertaining the preferences of the parents in the matter, the School Board directed the super-

intendent to send communications to resident parents, requesting an expression of opinion on the subject.

Two hundred twenty-three replies were received, and of this number one hundred eighty-one were in favor of the single session, and forty-two were opposed to it.

Vote on continuing single session:

Affirmative	181
Negative	42
	223

The School Board could not well disregard this great preponderance of opinion in favor of the single session and therefore allowed it to continue indefinitely.

LAWRENCE BARNES SCHOOL.

When this building was erected, the third story was designed for an assembly hall, but was left unfinished.

Several years ago the pupils overflowed the finished portion of the building and it became necessary to secure accommodations for the Kindergarten elsewhere. For this purpose a room designed for a store, situated on the southwest corner of North Champlain and North streets was leased of Mr. J. W. Madigan.

The number of pupils in the school, however, continued to increase so that the corridors were utilized for school rooms, and the School Commissioners became convinced that it would not only be a measure of comfort and convenience to pupils and teachers, but also of economy for the city to finish the third story, and it was decided to provide class rooms and not an assembly hall.

Accordingly the services of Mr. W. R. B. Willcox were again brought into requisition, and he prepared plans for the proposed changes, which were adopted.

The work was then placed in charge of Mr. Alfred L. Austin.

The changes in the exterior consisted of making three dormer windows on the south slope of the roof, and of broadening the east gable so as to admit of two additional windows.

The interior was converted into two pleasant school rooms, one at the east and the other at the west end of the building, separated by a hall extending through the width of the building. Each end of the hall is reached by a stairway ascending from the second floor. Water closets and commodious cloak and store rooms are also provided. The rooms are warmed and ventilated by the general system installed in the building. The wood-work is of hard pine and conforms to the general finish of the building.

This change is a great convenience and comfort to teachers and pupils, is a considerable saving in running expenses, and relieves the city of the necessity of paying rent for an annex building.

The Lawrence Barnes' building was repaired in the way described during the summer vacation.

With the exception of this work and some incidental repairs at the S. W. Thayer School, little was done upon the other school property.

It was stated in my last report that, although during the last ten years the School Commissioners had been constantly building school houses, yet that school house construction had not kept pace with school attendance. For several years there have been loud calls for increased and improved accommodations in the south part of the city. And especially since the successful transformation of the Pome-

roy building into an eight-room building, has a similar treatment of the Adams' building seemed feasible, and the demand for such a change seemed reasonable. During this year, as mentioned before, the attendance in both the primary and intermediate departments has exceeded the seating capacity of the building. The population in that part of the city is increasing, as the manufacturing establishments are multiplying and enlarging. The schools in the Howard Hose building and on Park Avenue are feeders for the Adams' School in the upper grades, and those who pass from the intermediate grades have for two years been compelled to go to distant parts of the city for accommodation.

If the Adams' building should be retained in its present form, large expense will soon be incurred in providing new heating apparatus, new plumbing and closets, and new floors throughout.

The School Commissioners believe it would be unwise to expend so large a sum as would be required to make these necessary repairs, upon this old building, which would, when thus renewed, be as inadequate as now, for the accommodation of the pupils in that part of the City. They, therefore, recommend that the Adams School be enlarged and changed into an 8-room building. With this done, a foundation system of schools reaching to and including the seventh grade will be provided for the city, to which additions can be made as circumstances may require. It is probable that this matter will soon be brought to the attention of your Honorable body in a special way by the Board of School Commissioners.

ARCHIBALD STREET SCHOOL.

This school is crowded and very soon it will be necessary to give relief at this point. The school contains only the Primary grades, and the pupils promoted from the A Primary class pass to the C Intermediate classes in the Pomeroy and Lawrence Barnes schools. This results in large C Intermediate classes in these two schools—too large for their rooms. To illustrate--the present C Intermediate class in the Lawrence Barnes school has sixty-five pupils in a room which at most should have only fifty pupils.

This condition causes injustice to teachers and pupils, and satisfactory work can not be done under such circumstances. A new 4-room or 8-room building should be erected on the Archibald Street school lot for the better accommodation of the pupils in the vicinity, and for the relief of the Lawrence Barnes and Pomeroy schools.

PARK AVENUE SCHOOL.

The Conger building which the School Commissioners were so fortunate as to secure for school purposes has served a good purpose, but it falls so far short of furnishing proper accommodations for the pupils now in that part of the City, that the present situation there is very discreditable.

As the greater number of the pupils now in this school come from Lakeside Park, the School Commissioners have arranged for more commodious quarters there, in a building now in process of construction.

In view of the fact that a large part of the population in this district is changeable and unsettled, the School Commissioners have considered it for the interest of the City to rent school rooms for the present rather than to erect a new building.

PRESENT SCHOOL BUILDINGS.

During the last eight years the following school houses have been erected, viz:

Converse School 1893
Ira Allen School 1894
S. W. Thayer School 1894
Lawrence Barnes School 1896
Pomeroy School (remodeled) 1898
Edmunds High School 1900

The other buildings occupied for school purposes are the,

Old High School.
Grammar Annex.
Adams School
Archibald Street School.
Falls School.
Star Hose Building.
Howard Hose Building.
Conger Building (rented.)

For the purpose of exhibiting more clearly the record of school house construction in recent years, cuts of the new buildings appear in this report. They show a creditable group of public buildings.

GENERAL CONDITION.

Incident to the occupancy of the Edmunds High School, and in accordance with the place announced in my last report, the classes of the grammar grade, in the Grammar Annex building, and designated as Main Street Grammar, No. 1, and Main Street Grammar, No. 2, were, at the beginning of the present school year, transferred to the old High

School building, and the Ungraded School was brought from the Star Hose building to the Grammar Annex.

The old High School building is now occupied entirely for grammar school purposes and Miss Mary E. Wells is principal of the building.

Miss Harriet Towne having resigned the position of principal of Pomeroy School, Mrs. Kate P. Miller was promoted from the principalship of Adams Primary to that of Pomeroy School; Miss Emma J. Chapman was promoted from the principalship of Adams Intermediate to that of the Adams building; and Miss Mary A. Farrell was promoted from the A Primary Converse School to the position of teacher in charge of Adams Primary under Miss Chapman.

Several of these changes were made in pursuance of the present policy of the School Board, of having only one principal in a building. Formerly the large buildings had two principals, as, a primary and an intermediate principal, or a High School principal and a Grammar School principal. A single headed management is much to be preferred to the double headed arrangement formerly in vogue here.

FALLS PRIMARY AND KINDERGARTEN.

In response to a petition of many residents of the First Ward, living in the vicinity of the Falls School building, the School Commissioners opened this building for a kindergarten and lowest primary class at the beginning of the school year, and placed Miss Gertrude M. Wheeler, a graduate of our High School, a teacher of experience and a trained kindergartener, in charge. This school will be a great convenience to the youngest pupils in that part of the city.

FALLS EVENING SCHOOL.

I regret to report that, as the number of pupils who have availed themselves of the advantages of this school during the last few years, has been very small, the School Board discontinued the school this season. An evening school in this part of the City ought to be largely patronized, and, if attended by those who need such a school, would be of great benefit.

HIGH SCHOOL, DRAWING, MUSIC.

For particular information in regard to the work of the High School, and to Drawing and Music in all the schools, you are referred to the valuable reports of Mr. Thomas, Miss Herrick and Mr. Humphrey.

MENTAL ARITHMETIC, LANGUAGE AND GRAMMAR.

The general work of the schools has progressed as usual and with few changes. Effort has been made to strengthen some of the weak places, to supply some deficiencies, and to place increased emphasis where needed. To give right proportion to the different subjects taught always furnishes a difficult problem. Our aim has been to avoid specialties, and hobbies, and to have a well-balanced, systematical course of study pursued in a well-balanced, systematical way. But any work of importance requires constant attention. A few years ago, mental arithmetic held a very prominent place in our schools. Then came a reaction and the subject nearly disappeared. In relegating this subject to an inferior position, the schools suffered a great loss. The power to grasp a subject, and to hold and look through a mental process, which had been cultivated by the study of mental arithmetic, was weakened when this

study dropped out, and the effect was felt all along the line of studies, and in the general development of intellectual strength. This being the case, the course to be pursued is clear,—and we are restoring mental arithmetic to its rightful place.

The study of grammar has passed through an experience somewhat similar to that of mental arithmetic, and with like effects. The effort to make the subject attractive, has resulted in making it weak. We have called grammar "language," nouns "name words," and verbs "action words." We have invented new definitions suited to the diluted subject presented, and then have required the pupils to unlearn these, and substitute the older and stronger definitions farther along in the grades. The natural consequence of this course has been confusion of terms and of ideas.

Parsing is almost a lost art, and the uses of the parts of speech, and the relations of the parts of a sentence to each other have lost their significance in great measure, and are only dimly seen. It would be better, in my judgment, for the grammatical constitution, and for the mental muscle of our pupils to return to a reasonable, solid diet of grammar, including for a relish, a portion of analysis and parsing in Young's Night Thoughts and Pollok's Course of Time, than to follow longer the course which has been pursued to a great extent for the past few years.

Our pupils need a presentation of this subject which will both stimulate and necessitate *thinking*. That was the point of excellence in some of the old methods and old books. They presupposed *work* on the part of the pupil, and made work a condition of successful progress.

There has been, too, an inclination to treat grammar as if it was a separate and distinct subject without any relation to

anything else. Whereas there is, perhaps, no other branch of study which is brought into use so frequently in other subjects, and is thus so closely connected with all other branches, as grammar. We need, therefore, to place stronger emphasis upon grammar in all oral and written expression connected with all school work. In justice to our schools it should be said that these remarks upon arithmetic and grammar, by no means apply to our local condition alone, or specially, but refer rather to the general situation and treatment of these subjects.

Recognizing our need, we are now giving, and intend to give, to grammar and language a prominent place in our curriculum.

CHEMISTRY AND PHYSICS.

Until the present time our High School has had no chemical or physical laboratory, and scarcely any apparatus, and we have been able to do but very little in chemistry and physics.

Within a few weeks, our laboratories in the Edmunds High School will be equipped with suitable furniture and apparatus, and our High School pupils will have better advantages in pursuing these studies than they have ever enjoyed before.

On the whole, the year 1900 has been notable for the erection of the "Edmunds High School," for great improvement in High School facilities and equipment, for finishing the third story of the Lawrence Barnes School, and for general advancement all along the line.

ACKNOWLEDGMENTS.

During the past year the following gifts have been received, which, in behalf of the School Commissioners, I gratefully acknowledge, viz:

From Gen. Theodore S. Peck, 62 volumes of books, as follows: Alexander Bain—Education as a Science.

Charles Darwin—The Descent of Man, The Different Forms of Flowers on Plants of the Same Species, The Expression of the Emotions in Man and Animals, The Formation of Vegetable Mould, Geological Observations, Insectivorous Plants, Journal of Researches, The Origin of Species, Vols. I and II, The Power of Movement in Plants, The Structure and Distribution of Coral Reefs, The Variation of Animals and Plants Under Domestication, Vols. I and II.

Francis Darwin—Life and Letters of Charles Darwin, Vols I and II.

John William Draper—History of the Conflict Between Religion and Science.

Philip Henry Gosse—Evenings at the Microscope.

Ernst Haeckel—The Evolution of Man, Vols. I and II.

Thomas H. Huxley—Darwiniana, Discourses, Biological and Geological, Evolution and Ethics.

Hume—Man's Place in Nature, Method and Results, Science and Christian Tradition, Science and Hebrew Tradition.

Joseph Le Conte—Evolution.

Henry Maudsley—Responsibility in Mental Disease.

H. Alleyne Nicholson—The Ancient Life-History of The Earth..

F. W. N. Painter—A History of Education.

Richard A. Proctor—Other Worlds Than Ours.

Oscar Schmidt—The Doctrine of Descent and Darwinism.

Herbert Spencer—Education, First Principles.

The Principles of Biology—Vol. I, Vol II.

The Principles of Ethics—Vol. I, Vol. II.

The Principles of Psychology, Vol. I, Vol. II-1, Vol. II-2.

The Principles of Sociology—Vol. I-1, Vol, I-2, Vol. II-1, Vol. II-2, Vol II-3.

Social Statics—The Study of Sociology.

John Tyndall—The Forms of Water.

Fragments of Science, Vol. I, Vol. II.

Hours of Exercise in the Alps, New Fragments, Sound.

William Dwight Whitney—The Life and Growth of Language.

G. Frederick Wright—Man and The Glacial Period.

C. A. Young—

The Sun.

New York at Gettysburg, 3 volumes.

Also the International Magazine for 1900.

From C. A. Castle—

"Voices of Song".

From John H. Converse, Philadelphia, Pa—

"Ceremonies Incident to the Unveiling of the Statue of Gen. U. S. Grant."

From Hon. E. B. Taft—

The World's Best Orations, 10 volumes, edited by Justice David J. Brewer.

From the High School Class of 1900—

Memorial window in Assembly Hall.

From the High School—

Knabe Grand Piano for Assembly Hall.

Although repeating what I have said, in substance, many times, I wish again to express my thanks to your Honorable Body, to the School Commissioners, to the teachers, to the janitors, and to the people of Burlington for their loyalty to the public schools, and for personal favors extended and kind consideration shown to me.

Respectfully submitted,
HENRY O. WHEELER,
Superintendent.

January, 1901.

APPENDIX.

EDMUNDS HIGH SCHOOL,
ISAAC THOMAS, Principal.

BURLINGTON, VT., January 14, 1901.

Mr. H. O. Wheeler, Superintendent of Schools:

DEAR SIR:—I herewith submit to you the report of the High School, covering, in brief outline, the period from September 1898, to the present.

In September, 1898, the project of the new High School building was so near completion that the school authorities felt it would be possible to begin the enlargement and rearrangement of the course of study in order both to suit it to the new conditions and to bring it more nearly in line with what the largest and best High Schools of the country were doing. But as the management of the school was changed at that time, and as it was certain that the building on College street would have to be occupied at least one year longer, it was thought wise not to attempt much at first in the way either of enlargement or change of the curriculum. Accordingly, only some slight additions were made in the English work and in the modern language work; otherwise the school was kept strictly upon its former lines of study.

CHANGES IN COURSE OF STUDY.

Near the close of the school year 1898–'99, the Superintendent and Board, expecting to be able to move the school into its new quarters at the beginning of the winter term, requested the Principal to submit to them a course of study suitable to the new needs and the new conditions of the school. In complying with that request, the Principal had the following objects in view:

(1) Greater attention to the needs of those who could not hope to go on with their studies beyond the High School, involving; (a) A larger and better provision for the study of English Literature, French, and German; (b) A slight rearrangement of the Mathematics so as to bring all the elementary work nearer the beginning of the course; and (c) an opportunity for a more extended study of History.

(2) An increase in the number of studies to be carried by each pupil.

(3) A consequent increase, not exceeding three, in the number of recitations each week.

(4) No *radical* change in the course.

A course of study, compassing these objects, was submitted by the Principal in May and approved by the Board in 1899. With the new course of study, permission was obtained to make trial, in the coming year, of the literal,—A, B, C, D,—system of marking, instead of the numeral.

THE GOOD ORDER OF THE SCHOOL.

Neither the order of the school for the (year) '98–'99, nor the methods used for securing it, had been satisfactory to the Principal, and he felt that he ought to deal with the question in accordance with the following theories of discipline—so-called—theories which he has held for many years, and which have proved successful in practice:

(1) That good order in the High School is to be considered a *means* to good work, is therefore, to be subordinated to the work, and is to be regarded as a matter of course;

(2) That such good order is best obtained (a) by not making a point of it and (b) by putting the responsibility for it where it belongs, upon the pupil;

(3) That any system devised for securing this good order that does not have for its aim the self-restraint of the pupil, is not worthy the serious consideration of thinking men;

(4) That any pupil refusing, after due and patient trial, to measure up to his responsibility for good order, should be separated from the school.

At the beginning of the school year 1899-'00, the Principal was in some doubt whether or not to attempt all these changes under the harder conditions of the old building; but expecting to be transferred to the new building in four months, at the latest, and having confidence in the steadiness of his teachers, he resolved to go ahead. He believes now that the decision was wise, though the extra four months in the building on College street, increased many times the difficulty of transition

from the old to the new course of study, the new marking system and the new system of order. But the transition was safely made; not as quickly, it is true, as it would have been made under better conditions, but yet safely made without any backward step. The results, as seen in the school to-day, more than justify the changes and the making of them when they were made.

I have thus, very briefly, both shown what changes have been made in the school since September, 1898, and have also indicated what is meant by them, viz.: (1) To give a course equal to that given in the best High Schools; (2) To secure, in time, work equal in scholarship to the best grade of such schools; and (3) to maintain the good order necessary for such work by securing self-restraint and self-training as far as ought reasonably to be expected in High School boys and girls.

ATHLETICS.

A brief word ought to be said about the athletics.

(1) They have been put upon a self-supporting basis, no money having been solicited for them from citizens, since the fall of 1898.

(2) More important still, they have been made purely High School athletics.

(3) They have served as a rallying point for the school, in school spirit, school loyalty and school honor.

(4) They have been kept subordinate to school work, and must always be so kept or cease to be.

THE PRESENT CONDITION.

It remains to speak of the present condition of the school.

(1) The good order of the school may be judged from the fact that only two cases of discipline—involving suspension—have had to be resorted to since the opening of school, September 10th; and from the more important fact that the *spirit of order* pervades the whole school.

(2) The attendance has been much better than at any time in the past two years, the absences this year, not counting cases of prolonged sickness, having decreased by nearly three-fourths of their former number in any corresponding month.

(3) The work is better in every way than at any time since September, 1898; better in spirit and better in quality. And the number of failures, serious enough to necessitate dropping, has been only three since the opening of the year.

(4) The enterprises of the school are all in good condition. The "Register" is sustaining its good reputation both in literary quality, and in management; the Debating Society is well attended and well managed, and the music clubs have been finally organized as school institutions, working for the interests of the school and subject to its call.

This good condition of the school is due to a variety of causes. Any enumeration of them would include the faithful and harmonious work of the body of teachers, the better conditions of building, the better arrangement of school session by which both teachers and pupils have

leisure for careful preparation, with consequent better health as well as greater economy of effort, the growing loyalty of the pupils to the school, and the hearty support of the Superintendent and Board of Commissioners.

CONCLUSION.

In closing, I wish to thank the Superintendent and Board of Commissioners for their confidence and support while I have been Principal of the High School, and to assure them that I appreciate the compliment they have thus paid me.

Respectfully submitted,

ISAAC THOMAS.

Report of Teacher of Drawing.

Mr. H. O. Wheeler, Superintendent:

Dear Sir :—Five years in the service of the Burlington schools as teacher of drawing only deepens my conviction regarding the great usefulness of Art Education. Many of the children whom I meet have practical impulses and dispositions, and they welcome with eagerness employment that calls into being the higher faculties of love of harmony, fitness, proportion, and color. Such children can not always learn a mass of facts and repeat what they have learned, neither are they ready with tasks calling into play the reasoning powers, but they are at home in manual work, and the drawing lesson brings enjoyment born of self-respect caused by a conscious increase of power, muscular and scientific. Throughout the schools the children view their completed drawings and articles constructed with a sense of real ownership, and whole classes respond to the question, "Would you like to take your work home with you?" with a unanimous "Yes," which proves their attempts, works of art in one sense at least, for William Morris defines an art work as "one which gives joy to both producer and consumer."

So I hope we shall place increasing emphasis upon the more active studies which demand vivid expression, such as nature study, elementary science, art and music. These studies furnish a two-fold training, employing both the mind and senses. For this reason they gain a more vital hold upon the pupils than knowledge appealing to the intellect alone.

The old education of the schools with its memory training and feats of reasoning was rounded out by the varied industries of the home in which every child was trained to lend a willing hand. Mary could spin and John could construct needed implements for the farm. By such experience qualities of mind, such as observation, creative faculty, constructive genius and judgment were wrought into the characters of the fortunate pupils. Attainments in dexterity, neatness and accuracy

sometimes excite our wonder as we see them displayed by our fathers and mothers, and unless the school of to-day offers a training equivalent to the united efforts of home and school as illustrated in the old education, the children of to-day will be less fitted than their fathers for the practical responsibilities of life. Hence we advocate an education of hand and mind together. Drawing and constructive work in paper or in wood have the great advantage of showing results as they progress. They are cöoperative rather than individual in the opportunity they afford for visible suggestions and interchange of ideas. By them, helpfulness, an important factor in life's experience, is encouraged. In a school working for results in drawing, we have a combination of forces all working toward a community standard. Under such conditions discipline takes care of itself and character-building advances rapidly. The achievement of a specially gifted pupil is greeted with a joyful pride of common ownership. Children comprehend Art's message that "Labor can be made a delight and blessing to all." They learn its meaning when they try to make things well and at the same time beautiful, when they design a chair which shall be constructed honestly for endurance and shall be made beautiful for enjoyment. They come to know that Art elevates common life, and that Art's true home is at our firesides, in our shops and in our streets, and in looking for the flower which the teacher has described, the pupils find that " beauty is oftimes nearer when we stoop than when we soar."

This all round training which we advocate will keep the young of the present day from swelling criminal ranks. Statistics tell us that "*eighty-two per cent of criminals in our prsons never learned any kind of trade*" and that "*only six per cent. of criminals are skilled artisans or mechanics.*"

Not only would Art Education save the child from becoming degenerate, but would exert a powerfully refining and elevating influence by its culture. It would render him familiar with the art of all ages, teaching him canons of good taste. Thus educated, he will no longer estimate surroundings by the standard of the almighty dollar, but he will be filled with enthusiasm for beauty and truth.

Having thus reviewed ideals and aims of Art Education as we understand it, we review the work of the past year as carried on to accomplish those ideals and aims.

I. *Preparations and Plans of Work.*
   1. Courses of study in different cities consulted.
   2. Cities visited for observing actual work.
   3. Outlines published for Burlington Schools suggesting materials and their use, methods of work and references.

II. *Topics covered by the Outlines.*

1. *Nature Drawing.* (All grades.)
   Flowers, fruits, vegetables, animals.
2. *Manual Training.* (All grades.)
   a. Neatness in Execution.

NOTE.—Please consult explanatory notes in parentheses for information regarding particular grades carrying out the work.

b. Blackboard practice.
c. Movement exercises.
d. Use of ruler and compass. (Grammar grades.)
e. Paper-cutting. (Primary grades.)
f. Construction in Cardboard. (Primary grades.)
g. Mounting of pictures. (Primary grades.)

3. *Brush Work in Ink.* (In some Primary and Intermediate grades.)
   a. Washes in Ink, also line drawing.
   b. Silhouettes.
   c. Landscapes.
   d. Historic Ornament. (Grammar grades.)
   e. Bent iron designs. (Grammar grades.)
4. *Object Drawing.* (All grades.)
   Japanese pottery, lanterns, dolls, shells, feathers, plants, historic furniture, old books, etc.
5. *Historic Ornament.* (Intermediate and Grammar.)
   a. Memorizing motifs from Egyptian and Greek Art.
   b. Designing Vases and Articles after Greek and Egyptian styles.
   c. Applied Ornament to the shapes re-designed after "b".
   d. Compositions describing the decorative art of Egypt and Greece.
6. *Literature and Language.* (All grades.)
   a. Terms used in drawing.
   b. Notes on historic ornament.
   c. Poems and quotations.
   d. Lives of artists. (Some intermediate and grammar grades.)
7. *Color Work.* (Some intermediate and grammar grades. Some primary grades.)
   a. Flat washes of colors of spectrum.
   b. Decorative designs.
   c. Nature drawings.
   d. Birds.
8. *Design.* (All grades.)
   a. Plate designs.
   b. May baskets, Christmas cards and calendars.
   c. Bent iron furnishings.
   d. Oil cloth patterns.
   e. Book covers.

III. *Some encouraging features noted.*
1. Artistic mounting of work.
2. Work conveniently displayed for inspection.
3. Numerous mounted collections of reproductions of the work of artists studied.
4. Collections made by teachers and pupils of studies and prints illustrative of the drawing topics.
5. Increasing desire on the part of some teachers to acquire personal power in art lines. This desire is shown by private study of lessons to be given and by studio work with various artists of the city.

6. Four creditable exhibits of art work from different grades of our schools shown at teachers' meetings, closing with a public June exhibit, commented upon by the press as follows: "Credit indeed is due our public school instructors who can encourage and develop the drawing and coloring instinct in the scholars, and make them willing and eager to know more. A remarkable improvement generally is noted in the drawing and color work in the past year.

Exhibits were also shown from Montpelier, from Springfield, Mass., from Plattsburgh Normal School, and from Brookline, Mass.

7. Great improvement as to the artistic environment of the children has been made during the past five years. Art enters more and more into the selection and arrangement of pictures and beautiful plants.

8. A remarkable willingness to furnish color materials and to loan models has been shown by the children during the past year.

9. The best work yet produced by B and A Grammar classes is the present work of the A and B classes at the old High School building.

10. The normal art classes of former years at the High School, report the successful practice of the lessons studied by the "teacher's class," thus proving the wide spreading influence of the education gained here applied in the work of those graduates who leave us.

IV. *Some deeply felt needs.*

1. An adequate equipment for drawing work in the Grammar and High Schools.

2. More uniform facilities for work throughout the Intermediate and Primary Schools.

3. Gifts of pictures and real art works.

4. The cöoperation and support of the homes of the city by attendance at exhibitions and appreciation of children's work.

I thank you, Mr. Wheeler, for your furtherance of our work during the past year and for your careful attention to our wants. I would also express thanks to the school board for cöoperation in our efforts and my gratitude to the teachers for their devoted labors.

Very respectfully submitted,

ELLA KENDRICK HERRICK.

Report of Supervisor of Music.

H. O. Wheeler, Superintendent:

In accordance with the usual custom, I hand you my report of music work done in the public schools of this city during the year 1900.

During the school year closing June, 1900, some portions of our work met with greater success than usual. Notably that in the Converse

school, where the work of the pupil teacher referred to in my report of one year ago, was of very great value. This fact, it seems to me, should convince the School board of the wisdom of seeking the services of some one, either as pupil teacher or special assistant, who could do the daily music drill in those classes whose regular teachers do not feel equal to music work. Thus far this year these same classes are making slow progress in consequence of the lack of this daily drill. Of course these remarks apply with equal force to any building where similar conditions exist. I am happy to say, however, that in no other building is the problem quite so troublesome.

The work in most of the schools is moving along systematically, and results are fairly satisfactory.

In my report of last year, I referred to the High School Chorus. I am glad to say that it fulfilled our expectations. The music for graduating exercises was furnished by the chorus, assisted by the Howard Opera House Orchestra, and was of a very creditable character. The same chorus also enjoyed the privilege of singing at the opening of the Edmunds High School building in May, 1900, an occasion anxiously waited for for several months.

I desire to just mention the fact, that the Association of Music Supervisors, alluded to in my former report, is still alive, and held an enthusiastic meeting last August at New Haven, Conn. Methods were discussed in the same impartial spirit which prevailed at Utica.

J. H. HUMPHREY.

The Fletcher Free Library.

REPORT OF LIBRARIAN.

BURLINGTON, VT., January 2, 1901.

To the Trustees of the Fletcher Free Library:

Again my report begins with a note of sorrow, a tribute to the memory of the Hon. E. J. Phelps, who was a member of the Board of Trustees from the foundation of the Library. For some years he had not been able to take an active part in the affairs of the Library on account of his long absences from the city as Minister of the United States to England, and as a Professor of Law at Yale University. But he did not withdraw from his connection with the management of the Library, showing a continued interest in its progress when in the city by visiting the Library and inquiring as to its growth and usefulness. In England as in this country he was known and admired as a man of brilliant social qualities, a cultivated scholar, an eminent lawyer, a successful diplomatist; while those who knew him intimately, found him a man of marked individuality and valued him as a sincere and constant friend whose place cannot easily be filled.

The Librarian's annual report for the year ending December 31, 1900, the twenty-seventh report since the organization of the Library and the sixteenth which I have had the privilege of laying before your Board, is respectfully submitted.

During the last year, 640 volumes have been added to the catalogue of accessions and the shelf list, making the number so entered 26,759. Of these 103 were added from binding periodicals (35 of which were gifts), 59 were gifts of volumes, 87 were bought to replace those worn out, and 424 were new books. This does not include a number of gifts, government documents, etc., for which there was no proper place on the shelves. A list of these is kept, and they are stored for reference in a room on another story. The year's purchases for the Library do not include anything of special importance, yet the average quality is quite as high as in former years.

There were 552 cards issued to applicants for the privilege of borrowing books from the Library, 169 less than last year. It has been thought necessary to take away the cards from and refuse books to several persons, who retained volumes from the Library for mouths, or injured and defaced them and refused to pay the fines they owed.

The books given out for home use numbered 49,433, a decrease of 2,572 compared with 1899, when the circulation amounted to 52,005. Of the books circulated 36,864 were classed as fiction and books for the young, 1,465 less than last year. The loss in circulation can be accounted for in part by the number of book and magazine clubs that have been formed here recently. Some persons who came or sent to the library nearly every week have not visited it this year. A new book every week, coming regularly without even the trouble of choosing it, supplies their wants and fills their time for reading. Some of the literary clubs have been reorganized on a different plan, not calling on the Library for the same assistance for their work. The foreign news has

been of an exciting nature, and many have interested themselves chiefly in newspapers. Those who had friends in China, of whose fate they were uncertain, were not inclined to read for recreation or to desire serious study. Many find it convenient to go to the University Library for their reading, and come to this Library only when they do not find their wants supplied there. Perhaps also a smaller number of additions to the Library has had some effect in lessening the circulation.

The Library has kept up its usual close connection with the public schools of the city. A number of duplicate volumes selected by teachers and librarian are sent to the schools and retained a school term, if the teacher wishes. The number taken depends entirely on the interest and enthusiasm of the teacher. The use of the Library by the scholars for reference work and study of subjects allied to their lessons is large, encouraged by the teachers. The pupils find that there is a relation between their ordinary text books and literature, and are also learning to use more intelligently encyclopaedias and various helps to research.

The demand for the new books of fiction has been very great, stimulated by clever and persistent advertising, by extravagant notices in periodicals, and a kind of vogue these stories have obtained. It would be impossible to satisfy the demand without purchasing a great number of duplicates that another year would see useless on our shelves. Other books on current topics of the day of somewhat transitory nature must be supplied in some measure to meet the wants of the public. But as one experienced librarian has said, "The best in literature is none too good for the poorest mind." A large part of our purchases have always been useful works of history, art, science, literature, and books of reference that

will always be available to those who really seek information.

With every year the unsuitability of the building used to store the library books increases. Your attention has often been called to the awkward, inconvenient entrance and stairs, the shabby library room, shelves so placed as not to be well lighted at any time, the gradual injury to the books, the danger from fire, the heavy reference books that must be piled up or kept in double rows on the shelves, the reading room which is no reading room but a long desk crowded at many hours of the day and always noisy.

In every report the need of additional shelf-room is enlarged upon. With every year's accessions the need becomes more pressing. We are hoping for some shelves in a room on another story, that is not now occupied, to which we can remove some books in least frequent use. The inconvenience of leaving the library-room, when these are wanted, unlocking doors, keeping applicants waiting, will not be as great as the present crowded condition of the Library, with books in rows on the floor and piled up in the window seats.

The appendix gives a list of those who have given books to the Library. The newspapers of the city give us their issues, and publish gratuitously lists of books. The University Cynic and High School Register are among our gifts. F. P. Stearns of Massachusetts and Rev. W. E. Barton of Illinois have kindly sent some of their interesting and useful publications. All of these and many more are gratefully acknowledged.

Respectfully submitted,
SARAH C. HAGAR,
Librarian.

TRUSTEES FLETCHER FREE LIBRARY.

REPORT OF TREASURER.

January, 1901.

Balance at last statement	$3,698 86

RECEIPTS.

City of Burlington, dog tax 1899	576 90
Sundry items accrued interest	271 05
Trustee's permanent fund	574 30
Fees, book sales, etc	282 50
	$5,403 61

DISBURSEMENTS.

Books, periodicals, etc	$1,365 65
Postage and revenue stamps	3 12
Balance	4,034 84
	$5,403 61

H. L. WARD,

Treasurer Trustees Fletcher Free Library.

APPENDIX A.

LIBRARY EXPENSES.

Salaries, Miss Hagar	$ 800 00
Miss Moore	500 00
Messenger	144 00
Binding	372 21
Coal and wood	169 75

Gas	$95 65
Printing cards, etc	56 75
Printing report	13 00
Postage	10 00
Water	12 34
Cleaning	47 00
Awnings (new)	51 00
Repairs	8 59
Expressage	3 15
Incidentals	1 75
Insurance	36 30
Total	$ 2,321 49

APPENDIX B.

Circulation for 1900.

	Fiction and Juveniles.	Total.
January	3,566	5,066
February	3,640	5,029
March	4,005	5,078
April	2,990	4,174
May	2,736	3,830
June	2,419	3,049
July	2,820	3,690
August	2,748	3,370
September	2,485	3,321
October	2,906	4,089
November	3,278	4,508
December	3,271	4,229
	36,864	49,433

APPENDIX C.

Circulation from 1875.

	Fiction and Juveniles.	Total.
1875 (open 131 days)		15,538
1876		35,448
1877	30,471	38,458
1878	25,186	35,238
1879	21,809	33,077
1880	19,579	29,432
1881	19,212	28,262
1882	18,308	26,438
1883	17,092	25,576
1884	15,027	20,173
1885	20,489	29,475
1886	27,337	37,753
1887	26,917	37,933
1888	28,701	41,948
1889	29,032	43,464
1890	30,303	45,828
1891	30,983	46,387
1892	31,599	47,203
1893	27,621	42,184
1894	28,740	43,942
1895	33,082	48,762
1896	36,363	52,829
1897	37,198	53,391
1898	38,511	52,456
1899	38,329	52,005
1900	36,864	49,433

APPENDIX D.

GIFTS FOR 1900.

	Vols.	Pam.	Nos.
Acker, Finley, *Philadelphia*	1		
Allen, Charles E.		3	
Allerton, S. W. *Chicago*	1		
American Union League	1	1	
American Museum of Natural History		3	
Amherst College		2	
Anonymous	2	1	
Balch, T. W. *Philadelphia*	1		
Barlow, E. M.	2		
Barlow, Mrs. E.			84
Barnes, W. A. *Boston*	1		
Barrett, B. S., one globe			
Barton, W. E. *Oak Park, Ill.*	3		
Bliss, Rev. Dr. J. I.			50
Boston Transcript, daily		1	
Bowdoin College, *Me.*		1	
Brown University, *R. I.*		1	
Bullfinch, Miss E. S. *Cambridge, Mass,*	1		
Burlington Free Press, daily and weekly			
" High School Register			
" Daily News			
Burnett Co., *Boston*	1		
Chandler, W. E. *U. S. S.*		2	
Chicago Banker			12
Christian Science Journal	1		12
Christian Science Sentinel			52
Civil Service Commission	1		

Clark, Mrs. H. N.	1		
Clay, W. W. *Chicago*	1		
Criterion			12
Craig, A. *Chicago*	1		
Cudmore, P. *Faribault, Minn.*		1	
Daniels, G. H. *New York*	1		
Dartmouth College, *N. H.*,		1	
Davis, George E.		1	
Dean, C. S. *Malden, Mass*	1		
Englesby, Mrs. L. B.			4
Farmer, J. E. *Concord, N. H.*	1		
Free Lecture coms. *N. Y.*		2	
Friends of Sociological Study		1	
Fullerton, A. *N. Y.*	1		
Georgia, Experiment Station		2	
Goodrich, Chauncey M.	3	2	
Goodrich, Prof. J. E.	3		
Goodwin, J. J. *Hartford, Conn.*	1		
Harvard University, *Cambridge, Mass.*	1		
Hastings, H. *Albany, N. Y.*	2		
Hunt, L. B., Fairfax, Vt.		1	
Indian Rights Association		2	
Ipswich Historical Society	1		
Jones, Prof. L. R.		2	
King, Dr. A. F. A.	1		
Land of Sunshine			12
Libraries, Amherst College		2	
Atlanta, Carnegie		1	
Baltimore, Enoch Pratt		1	
Bangor		1	
Boston Public		12	

Libraries,	Bowdoin College		2
	Brooklyn Free		2
	Brooklyn Union, for Christian Work		1
	Buffalo		1
	Cambridge		1
	Chicago, John Crerar		1
	Chicago Public		1
	Cincinnati		1
	Concord, Mass.		1
	Concord, N. H.		1
	Congressional	1	10
	Detroit		1
	Dover		1
	Evanstown		1
	Everett, Parlin Memorial		1
	Glasgow, Stirlings and Glasgow		1
	Gloversville		1
	Grand Rapids		1
	Hamilton		1
	Hartford		3
	Harvard University		2
	Hoboken		1
	Hopedale		1
	Iowa Masonic		4
	Indianapolis		1
	Jersey City		5
	Jamestown, Jas. Prendergast		1
	Lawrence		5
	Liverpool		1

Libraries,	Lynn		1
	Manchester, N. H		5
	Manchester, Vt		1
	Marlborough		1
	Michigan University		1
	Milford, N. H		1
	Milwaukee		1
	Minneapolis		3
	Newark		1
	New Bedford		7
	New Brunswick		1
	New Haven		14
	Newton		1
	New York, Mechanics and Tradesmen		1
	New York, Mercantile		1
	" Society		1
	" State Library	1	9
	North Adams		1
	Northampton Public		1
	Northampton, Forbes		1
	North Easton		1
	Norwich, Ct., Otis		1
	Oakland		1
	Oberlin College		1
	Omaha		10
	Patterson		1
	Pawtucket		1
	Peoria		1
	Philadelphia, Free		1
	Philadelphia City Institute		1

Libraries, Pittsburg, Carnegie		1
Plymouth, England		1
Pratt Institute		2
Providence, Public		10
Providence, Athenaeum		1
Quincy, Thomas C		1
Rutland		1
St. Albans		1
St. Louis, Free		1
St. Louis, Mercantile		1
Salem		3
San Francisco		13
Scranton		1
Seattle		1
University of Nebraska		1
Vt. Library Commission		1
Warwick		1
Warren Co., Ill		2
Washington, D. C.		1
Waterbury, Bronson		1
Watertown		1
West Haven		1
Whitewater, Normal		1
Wilmington Institute		1
Wilkesbarre, Osterhout		11
Windsor		1
Woburn		1
Worcester		1
McFarland, H., *Concord, N. H.*	1	
McMillan, J., *U. S. S.*	1	
Massachusetts Institute of Technology		1

Michigan Trust Co	2		
Middlebury College		1	
Minneapolis Park Commission		1	
Mount Holyoke College		1	
Murray, T. H., *Woonsocket*	1		
Mutual Life Insurance, *N. Y.*	1		
New York College of Forestry		1	
New York State Historian	2		
New York State University	10		
Ohio State University		1	
Perkins, Prof. G. H	2		
Russell, J. W., Estate of	2		
Sadler, R., England	1		
Seward, G. L., *N. Y.*		1	
Sheldon, F. M	1		
Smithsonian Institution	3	2	
Stearns, F. P., *Malden, Mass*	4		
Tennessee University		1	2
Thompson, *Mrs.* M	2		
Towle Manufacturing Co	1		
True American		1	
Tuttle, *Miss* A. J	37	1	
United States—Civil Service	1		
Education Bureau	1		
Fish Commission	1		
Labor Bureau		6	
State Department	6	22	
Supt. of Documents	130	115	
University of Chicago		1	
University of Illinois		1	
University of Pennsylvania		1	

Vandegrift Land Co	1		
Vermont Agricultural Station		27	
Vermont Bible Society		1	
Vermont Library Commission		1	
Vermont State		1	
Ward, F. W.			14
Wall Street Journal, *N. Y.* daily.			
Whitcomb, W. H. S		1	
Wilson, *Mrs.* M. C. C., *Washington*	1		
Wood, H., *Boston*	2		
Yale University		1	

REPORT

OF THE

HEALTH OFFICER.

To the Honorable, the City Council:

I have the honor to submit for your consideration the report of the Health Department for the year 1900.

The total number of deaths from all causes during the year was three hundred and forty-six (346). This number included seventeen (17) still births and eighteen (18) deaths of non-residents at hospitals. If these are omitted in making the computation, the death rate, based upon a population of 18,640 according to the Census of 1900, is 16.67 to each 1,000 inhabitants.

CONTAGIOUS DISEASES.

During the year sixteen (16) cases of diphtheria and membranous croup, twenty-five (25) cases of scarlet fever, thirty-five (35) cases of typhoid fever and one hundred and forty-seven (147) cases of measles were reported. There were eleven deaths from these diseases during the year, two (2) from diphtheria and membranous croup; one (1) from scarlet fever; one (1) from measles; and seven (7) from typhoid fever. The number of cases of diphtheria reported was somewhat larger than for a few years past owing to a slight epidemic in the Thayer school in June. The first case

originated from a defective drain at the home of the patient, and the others unquestionably were contracted, directly or indirectly from the first. No deaths resulted among these cases and only two (2) during the year from the entire number reported.

The greatest number of scarlet fever cases were reported during the first four months of the year; fortunately most of the cases were of a mild form, only one death resulting from this disease. Every effort has been made to keep in check this, as well as other contagious diseases; the patients are isolated and a strict quarantine maintained until all danger of contagion has passed. The house is then thoroughly disinfected with formaldrhyde gas.

Of the one hundred and forty-seven (147) cases of measles reported during the year, fifty-two (52) occurred during the months of May and June. One death resulted from measles complicated with bronchitis.

The number of cases of typhoid fever reported during the year was thirty-five (35). Of this number twenty-two (22) occurred during the first four months of the year; the remaining thirteen (13) during the last eight months. Some of our citizens have been inclined to believe that typhoid fever in Burlington is due to impurities in the city water. Repeated analyses of water procured from different parts of the city, from the lake directly over the intake, and from various points both near and far from the intake have failed to show any reasonable grounds for such belief. It should be remembered also that many of the cases reported to the Health Officer of Burlington are undoubtedly contracted elsewhere. Seven (7) of the thirty-five (35) cases resulted fatally; of these seven at least two are known to have contracted the

disease in other parts of the state, and to have come here for treatment.

CONSUMPTION.

The number of deaths recorded as due to consumption during the year 1900 was twenty (20.) This is a decrease over the preceding year of eight (8), or a decrease in mortality of over 28 per cent. The reason for the decrease may be due, in part, to the fact that the people at large are beginning to realize that the disease is contageous. The growth of this knowledge is leading the people associated with consumptives to greater prescautions in regard to disinfection and destruction of the sputum. I believe that an ordinance should be passed requiring physicians to report all cases of consumption, and the thorough disinfection of the house after the death or removal of the patient.

For the table of Meteorological Observations for the year, I am indebted to the courtesy of Mr. Charles E. Allen.

Respectfully submitted,

H. R. WATKINS, M. D.,

Health Officer.

ANALYSIS OF THE VITAL STATISTICS.

During the year 1900, the marriages in Burlington numbered one hundred and seventy-three (173); the births, five hundred and forty-five (545); and the deaths, three hundred and forty-six (346). Excess of births over deaths, one hundred and ninety-nine (199). There were, in 1900, twenty-nine (29) more marriages, ninety-two (92) more births and thirty-two (32) less deaths than in 1899. Still births are included in the totals of births and deaths.

MARRIAGES.

The ratio of persons married, in 1900, to the whole population (18,640) was 1 in 53.81.

Seasons.—There were twenty-nine (29) marriages in the first quarter of the year, forty-nine (49) in the second, fifty-four (54) in the third and forty-one (41) in the fourth. The month of June had the largest number of marriages, twenty-six (26) and the month of March the smallest number, three (3).

Nativity.—On hundred and thirty (130) grooms and one hundred and twenty-eight (128) brides were born in the United States; twenty-seven (27) grooms and thirty-two (32) brides in Canada; three (3) grooms and two (2) brides in Ireland; and thirteen (13) grooms and eleven (11) brides in other countries.

BIRTHS.

The total number of births in 1900 was five hundred and forty-five (545), which was ninety-two (92) more than in 1899. In this number are included seventeen (17) still births. The proportion of live births to population (18,640) was 1 to 35.98.

Sex.—Males, two hundred and eighty-three (283); females, two hundred and sixty-two (262).

Parentage.—Three hundred and forty-three (343) fathers and three hundred and forty-eight (348) mothers were born in the United States; one hundred and sixteen (116) fathers and one hundred and seven (107) mothers were born in Canada; six (6) fathers and three (3) mothers were born in Ireland; fifty-six (56) fathers and fifty-six (56) mothers in other countries. The nativity of twenty-four (24) fathers and thirty-one (31) mothers was unknown.

Seasons.—The largest number of births, one hundred and sixty-two (162), occurred in the third quarter of the year; one hundred and forty-eight (148) in the first ; one hundred and forty-three (143) in the second ; and ninety-two (92) in the fourth.

Locality.—One hundred and fifty-five (155) births occurred in the Second Ward ; one hundred and forty-nine (149) in the Third Ward ; one hundred and thirty-nine (139) in the Fifth Ward ; sixty-five (65) in the Fourth Ward ; and nineteen (19) in the First Ward. In eighteen (18) cases Ward was not stated.

AGE OF MOTHERS.

The age at which mothers bore the greatest number of children in 1900 was twenty-three (23), thirty-three (33) children having been borne by mothers of that age. The youngest mother was fifteen (15) years old, the oldest forty-eight (48). Twenty-seven (27) children were borne by mothers eighteen (18) years old and under ; and twenty-eight (28) by women forty (40) years old and over.

DEATHS.

The total number of deaths in 1900, including seventeen (17) still births, was three hundred and forty-six (346), thirty-two (32) less than in 1899 and forty-three (43) more than in 1898. With a population of 18,640 the ratio of deaths, exclusive of still-births, and eighteen (18) non-residents at hospitals was 16.67, or one death in 59.93 of the population.

SEASONS.

The greatest number of deaths, ninety-four (94) occurred in the third quarter of the year; the smallest number, seventy-nine (79) in the first. The greatest monthly mortality was in April and September, thirty-six (36) deaths, each; and the smallest twenty-three (23) deaths was in June.

SEX.

One hundred and sixty-five (165) of the deaths, including still births, were of males, and one hundred and eighty-one (181) of females.

One hundred and ninety-three (193) decedents were over fourteen (14) years of age. Of these ninety (90) were married; sixty-one (61) widowed; and forty-one (41) single. One not stated.

AGE.

One hundred and fourteen (114) of the deaths, including seventeen (17) still births, were of children under one year of age, which was 32.94 per cent of all deaths; seventeen (17) were of children between one and five years of age, or 4.91 per cent of all deaths; twenty-four (24) were between five (5) and twenty (20) years of age, or 6.8 per cent of all; sixty-six (66) were between twenty (20) and fifty (50) years of age, or 19.07 per cent of all; sixty-two (62) were between fifty (50) and seventy (70) years of age, or 17.9 per cent of all; sixty-three (63) were seventy (70) and over, or 18.2 per cent of the total.

NATIVITY.

Two hundred and sixty (260) of the decedents, including seventeen (17) still births, were born in the United States; thirty-seven (37) in Canada; thirty-one (31) in Ireland; seven (7) in other countries. The birth place of eleven is not known.

LOCALITY.

The largest number of deaths, one hundred and four (104) was in the Third Ward; the next largest seventy-seven (77) in the Fifth; the next seventy-three (73) in the Second; the next forty-nine (49) in the Fourth; and the smallest, forty-three (43) in the First, including eighteen (18) deaths at the Mary Fletcher Hospital.

VITAL STATISTICS

OF THE

City of Burlington, Vermont,

FOR THE YEAR 1900.

TABLE 1. Marriages.

		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.	
Nativity of Groom	United States.....	11	9	1	6	8	19	14	11	17	18	13	3	130	
	Canada.....	1	3		2	4	4	2	2	4	3	1	1	27	
	Ireland.....				1		1					1		3	173
	Other Countries.	1	1	2	2		2	1	2	1		1		13	
Nativity of Bride	United States.....	10	9	1	5	10	21	13	10	16	18	11	4	128	
	Canada.....	2	2		3	2	2	4	4	6	3	4		32	
	Ireland.....		1		1									2	173
	Other Countries.	1	1	2	2		3		1			1		11	

Table No. 2.—Births, Seasons, Nativity, Sex, Locality, and Number of Mothers of Each Age.

SEASONS.	COLOR.		SEX OF CHILD.			NATIVITY.										LOCALITY.						
						FATHER.					MOTHER.					BY WARDS.						
	White.	Black.	Sex not stated.	Male.	Female.	United States.	Canada.	Ireland.	Other Countries.	Unknown.	United States.	Canada.	Ireland.	Other Countries.	Unknown.	Ward I.	Ward II.	Ward III.	Ward IV.	Ward V.	Unknown.	Total.
January	48	0		23	25	34	5	0	5	4	38	4	0	4	2	0	18	13	4	11	2	48
February	42	0		20	22	29	8	2	2	1	31	7	1	1	2	1	11	12	6	11	1	42
March	58	0		29	29	38	11	2	4	3	35	12	0	5	6	4	20	12	5	15	2	58
April	50	0		27	23	34	8	0	6	2	29	11	0	6	4	0	12	14	6	16	2	50
May	42	1		20	23	31	7	1	3	1	30	8	0	4	1	1	8	20	6	7	1	43
June	50	0		23	27	34	10	1	4	1	32	11	0	5	2	4	14	9	9	13	1	50
July	43	0		20	23	24	13	0	1	5	23	11	1	1	7	3	13	8	3	11	5	43
August	54	0		29	25	32	15	0	7	0	34	11	0	7	2	1	21	12	8	12	0	54
September	65	0		44	21	30	19	0	12	4	37	12	0	11	5	3	19	16	7	16	4	65
October	27	0		15	12	14	7	0	6	0	17	4	0	6	0	0	8	8	3	8	0	27
November	36	0		20	16	25	8	0	2	1	23	11	1	1	0	1	4	17	4	10	0	36
December	29	0		13	16	18	5	0	4	2	19	5	0	5	0	1	7	8	4	9	0	29
Totals	544	1	0	283	262	343	116	6	56	24	348	107	3	56	31	19	155	149	65	139	18	545

* Not stated.

Age of Mothers. No.	Age.
1	15
3	16
9	17
15	18
16	19
14	20
28	21
25	22
33	23
30	24
30	25
23	26
31	27
25	28
24	29
29	30
18	31
24	32
16	33
21	34
18	35
20	36
12	37
7	38
19	39
12	40
5	41
3	42
6	43
3	44
2	45
1	48
22	*
545	

Table No. 3.—Months, Deaths, Color, Sex, Social Condition, Ages, Locality and Nativity of Decedents.

SEASONS.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
Deaths	22	26	26	36	32	20	27	30	33	29	24	24	329
Still births	2	2	1	...	1	3	1	...	3	1	1	2	17
Totals	24	28	27	36	33	23	28	30	36	30	25	26	346
COLOR.													
White	24	26	26	36	33	23	27	30	35	29	25	26	340
Colored	...	2	1	...	...	...	1	...	1	1	...	...	6
Totals	24	28	27	36	33	23	28	30	36	30	25	26	346
SEX.													
Male	10	13	13	17	16	11	13	12	14	18	13	15	165
Female	14	15	14	19	17	12	15	18	22	12	12	11	181
Totals	24	28	27	36	33	23	28	30	36	30	25	26	346
SOCIAL CONDITION.													
Married	7	11	6	8	6	5	11	6	8	9	10	3	90
Widowed	5	4	3	7	5	5	6	3	6	4	4	9	61
Single (over 14)	2	2	6	6	2	3	...	3	3	5	3	6	41
Not stated	...	...	...	...	1	...	...	...	...	...	...	...	1
Totals	14	17	15	21	14	13	17	12	17	18	17	18	193
AGES.													
Under 1 year	9	8	8	10	15	7	7	15	13	10	6	6	114
1 to 5 years	0	1	1	3	2	2	1	3	1	2	1	0	17
5 to 10 years	1	1	2	1	1	1	1	0	0	0	1	1	10
10 to 20 years	0	3	2	2	1	1	1	1	3	0	0	0	14
20 to 30 years	2	1	3	3	1	1	3	2	1	2	1	3	23
30 to 40 years	1	3	0	3	1	1	0	0	4	1	3	1	18
40 to 50 years	3	4	0	2	0	3	3	2	3	3	1	1	25
50 to 60 years	2	2	1	2	0	0	4	0	3	3	2	3	22
60 to 70 years	2	2	5	4	2	3	3	4	3	4	5	3	40
70 to 80 years	2	2	3	4	7	3	4	0	2	2	3	7	39
Over 80 years	2	1	2	2	3	1	1	3	3	3	2	1	24
Not stated	...	...	...	...	...	...	...	...	...	...	...	...	.....
Total	24	28	27	36	33	23	28	30	36	30	25	26	346

Table No. 3—Months, Deaths, Color, Sex, Social Condition, Ages, Locality and Nativity of Decedents.—*Continued.*

SEASONS.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
DEATHS BY WARDS.													
Ward I	1	3	1	5	2	2	7	4	7	4	4	3	43
Ward II	6	11	9	12	7	1	4	4	6	3	4	6	73
Ward III	6	6	7	8	11	10	6	14	13	10	6	7	104
Ward IV	6	2	5	3	7	3	5	...	5	5	2	6	49
Ward V	5	6	5	8	6	7	6	8	5	8	9	4	77
Not stated	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	24	28	27	36	33	23	28	30	36	30	25	26	346
NATIVITY OF DECEASED.													
United States	20	23	21	30	21	15	21	25	29	20	17	18	260
Canada	1	2	3	1	3	5	6	1	6	5	2	2	37
Ireland	2	2	2	5	7	2	...	2	...	2	3	4	31
Other Countries	...	...	...	...	1	...	...	1	1	2	2	0	7
Not Stated	1	1	1	...	1	1	1	1	...	1	1	2	11
Totals	24	28	27	36	33	23	28	30	36	30	25	26	346

Table No. 4.—Mortuary Report for the Year 1900.

CAUSE OF DEATH.	Months.											
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
Abdominal Tumor										1			1
Abscess of Liver				1					1				2
Abscess, Pelvic								1					1
Abscess of Rectum									1				1
Accidents, R. R.						1							1
" Drowned								1					1
" Electricity				1									1
Alcoholism					1								1
Anaemia			1										1
Appendicitis									1			1	2
Apoplexy			1	1			1	1		1	2	2	9
Arteriosclerosis					1								1
Asphyxia									1				1
Asthma, complicating Grippe												1	1
Bronchitis										1			1
Bronchitis Capillary	1	2	1	3	1								8
Cancer									2	2		1	5
" of Breast					1								1
" of Face											1		1
" of Liver	1												1
" of Pancreas				1									1
" of Stomach					1		1				1	1	4
" of Uterus		1											1
Cerebral Embolism									1				1
Cerebral Hemorrhage				1									1
Cholera Infantum							1	9	4	5	1		20
Cholera Morbus								1					1
Cirrhosis of the Liver		1					2						3
Congenital Debility								2					2
Congestion of the Lungs			3										3
Consumption, Bronchial										1			1
Convulsions		1			1			2	1	1			6
Convulsions, Puerperal									1				1
Cystitis					1	1							2
Diabetes						1							1
Diabetes Phthisis		1											1
Difficult Parturition												1	1
Diphtheria							1						1
Dystocia							1				1		2
Enteritis				1				1	1		1		4
Enteritis, Chronic				1					1				2
Enterio Colitis					1					1			2

TABLE NO. 4.—Continued.

CAUSE OF DEATH.	Months.												
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
Epilepsy											1		1
Exhaustion from Nervous Disease	2												2
Exhaustion from Insanity												1	1
Exophthalmic Goiter									1				1
Fracture of Hip						1							1
Gastritis		1		1									2
Gastro Enteritis							4	1					5
Heart, Diseases of	1	1			1	2	4	4	2	2	3	6	26
Heart Failure	1		1										2
Hemorrhage, Pulmonary					1						1		2
Hydrocepholus				1				1					2
Hydro-pyomphrosis											1		1
Icterus											1		1
Imperfect Development									1				1
Inanition				1		1				1			3
Insanity						1							1
Intestinal Obstruction	1												1
Intestinal Paralysis									1	1			2
La Grippe			2	1									3
Malarial Fever												1	1
Marasmus		1			1			2	2		3		9
Mastoid Abscess							1						1
Measles					1								1
Meningitis			2	2				1		2			7
" Cerebral		1			1						1		3
" Cerebro-Spinal		1			1								2
" Spinal					1							1	2
" Tubercular					1	1							2
Membranous Croup						1							1
Monstrosity												1	1
Nephritis	1								1	1	1		4
" Chronic			2			1							3
Neuritis, Alcoholic	1												1
Oedema of Brain		1											1
Old Age	2	3	1	1	3		1	1	1	3	2		18
Paralysis	3				1			1	2				7
Paresis					1								1
" General				1									1
Peritonitis		1		1									2
Peurperal Eclampsia									1				1
Phthisis		4	2	3	1	3	3	1		1		2	20
Pneumonia	2	4	5	9	6	2	1		1	1	1	1	33

TABLE NO. 4.—Concluded.

CAUSE OF DEATH.	Months.												
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
Poisoning, Wood Alcohol	....	...	....	...	....	....	...	...	...	...	1	....	1
Premature Birth	2	...	4	2	3	1	...	1	...	1	....	1	15
Prolonged Labor	....	...	...	....	1	....	...	....	...	....	....	....	1
Rachitis	....	...	...	....	1	....	...	....	...	....	....	....	1
Respiratory Failure	....	...	...	1	....	....	...	....	...	....	....	....	1
Rheumatism, Chronic	....	...	...	....	1	....	...	....	...	....	....	....	1
Scarletina	1	...	...	....	....	....	...	....	...	....	....	....	1
Septicæmia	....	...	...	....	....	....	1	....	....	....	....	....	1
Shock, Injury	....	...	...	....	....	....	...	....	....	....	1	....	1
" Surgical	....	...	...	....	....	2	...	....	....	....	....	1	3
Still Birth	2	2	1	....	1	3	1	....	3	1	1	2	17
Suicide, Carbolic Acid	....	...	....	....	....	....	1	....	...	....	....	....	1
" Drowning	....	...	....	....	....	....	...	....	...	1	....	....	1
Tetanus	....	...	....	....	....	....	...	....	1	....	....	....	1
Tuberculosis	1	...	1	....	....	....	1	....	4	....	....	....	7
Tuberculosis of Kidney	....	...	....	....	....	....	...	....	...	1	....	....	1
Tuberculosis, Pulmonary	....	...	....	....	....	....	...	....	...	....	....	1	1
Typhoid Fever	2	2	....	....	....	....	...	....	1	1	....	1	7
Syphilis	....	...	....	1	....	....	...	....	...	....	....	....	1
Uremia	....	...	....	....	....	....	1	....	...	....	....	....	1
Totals	24	28	27	35	35	22	26	31	37	30	25	26	346

Table No. 5.—Contagious Diseases and the Number of Deaths Therefrom.

SEASONS.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Totals.	Deaths.
DISEASES.														
Scarletina	5	2	0	5	2	0	3	0	0	2	2	4	25	1
Diphtheria & Membranous Croup.	0	2	0	0	3	4	6	0	0	0	0	1	16	2
Typhoid Fever	6	8	4	4	0	1	0	0	2	3	1	6	35	7
Measles	1	2	3	1	14	38	9	2	0	0	1	0	71	1
Totals	12	14	7	10	19	43	18	2	2	5	4	11	147	11

METEOROLOGICAL OBSERVATIONS, City of Burlington, Vt.

By Charles E. Allen.

Elevation 377 feet above tide water. Latitude 44° 28′. Longitude 73° 11′.

Hours of Observation, 7 A. M., 1 P. M., 9.30 P. M.

Maximum and minimum temperature and the range of temperature, at hours of observation, for the year 1900; the mean range of each month in the year, the monthly precipitation and the mean monthly, annual and general average, 1840–1901.

	Jan.			Feb.			Mar.			April.			May.			June.			July.			Aug.			Sept.			Oct.			Nov.			Dec.			
	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	
1900	48	– 3	51	46	–12	58	50	–12	62	75	26	49	86	22	64	87	53	34	92	58	34	89	54	35	86	48	38	73	29	44	67	14	53	44	–2	46	47.33 *a*
1840 to 1901	45	–13	58	48	–12	60	54	1	53	69	19	50	81	35	46	87	46	40	89	52	37	86	49	37	81	37	44	70	27	43	60	13	47	46	–7	54	47.50 *b*
Mean Monthly Average of Temperature.																																					
1900	20.62			20.51			20.97			45.07			55.01			67.09			71.10			68.24			61.94			54.04			40.10			25.80			45.87 *c*
1840 to 1901	19.15			20.51			29.04			42.39			55.46			65.38			69.43			67.16			58.99			47.46			35.90			23.66			44.54 *d*
Monthly Precipitation.																																					
1900	3.32			2.17			3.19			.91			2.45			1.96			2.73			5.25			3.20			1.90			5.74			1.42			34.24 *e*
1840 to 1901	1.81			1.53			1.93			1.98			2.95			3.18			3.88			3.60			3.57			3.30			2.63			1.86			32.25 *f*

a Mean annual range of temperature 1900. *b* Mean annual average 1840 to 1901. *c* Mean temperature for 1900.
d Mean average of temperature 1840 to 1901. *e* Total inches for 1900. *f* Mean annual average, inches, 1840–1901.

METEOROLOGICAL OBSERVATIONS, Burlington, Vt.

TABLE 2.—Mean Periodical and General Average of Temperature, 1840–1900.

DECADES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean Temperature by Decades.
1840 to 1850.....	19.91	19.96	30.36	43.59	55.42	65.10	69.18	68.99	59.31	46.71	36.88	24.05	44.96
1850 to 1860.....	19.24	21.24	29.60	40.68	53.70	63.87	69.11	65.31	58.02	47.26	35.59	21.77	43.78
1860 to 1870.....	17.08	19.84	27.75	40 83	53.38	63.34	67.20	65.14	56.94	45.08	34.99	21.58	42.76
1870 to 1880.....	19.72	19.87	28.15	41.45	54.73	65.70	69.64	66.79	58.21	48.09	34.03	22.87	44.10
1880 to 1890.....	18.75	20.78	28.36	43.22	58.19	66.62	71.16	67.66	60.64	47.82	36.53	26.09	45.48
1890 to 1900.....	20.20	21.39	29.99	44.56	57.34	67.63	70.29	69.09	60.83	49.81	37.41	25.59	46.18
Mean average for sixty years.....	19.15	20.51	29.04	42.39	55.46	65.38	69.43	67.16	58.99	47.46	35.90	23.66	44.54

BROAD LAKE CLOSED.

1890, February 10, 21 and March 7.
1891, January 27, February 14 and March 8.
1892, February 14.
1893, January 16.
1894, February 6 and 12.
1895, February 7.
1896, February 17.
1897, January 31.
1898, January 30.
1899, February 1.
1900, February 28.
1901, February 1.

BROAD LAKE OPENED.

1890, February 11, 28 and March 12.
1891, January 31, February 27 and April 2.
1892, April 3.
1893, April 12.
1894, Feb. 10 and March 15.
1895, April 19.
1896, April 17.
1897, April 10.
1898, March 16.
1899, April 20.
1900, April 19.

REPORT

OF THE

CITY PHYSICIAN.

To H. R. Watkins, M. D., Health Officer:

I herewith beg leave to submit my report. Since my appointment as City Physician April 25, 1900, to January 1, 1901, I have visited the Poor Farm 39 times. The health of inmates upon my last visit, I found in general, good. In addition to my duties at the Poor Farm, I have been called upon as City Physician to attend about 910 patients in 101 families visited. From this number, had eight deaths, causes of death being : Old age, one; phthisis pulmonalis, two; cholera infantum, two; appendicitis, one; heart disease, one ; and one malarial fever. In addition to this I have had 154 consultations at office.

Respectfully submitted,

W. J. LABELLE, M. D.

City Physician.

Burlington, Vt., January 21, 1901.

TWELFTH ANNUAL REPORT

OF THE

WATER COMMISSIONERS.

To the Honorable, the City Council, City of Burlington :

GENTLEMEN :—In compliance with the city ordinance, the Water Commissioners respectfully submit the following, their report for the year ending December 31, 1900.

The receipts from water rates for the year have been $49,093.46, an increase of $310.75 over the receipts of last year. This excess, following the recent reduction of rates, is largely due to the use by the village of Winooski of from ten to eighteen thousand cubic feet per day for the last three months of the year.

A temporary connection, between the fire service of the Burlington Flouring Company and the Winooski mains with a three inch meter in the cellar of the Flouring Mill was installed and maintained by the Winooski Aqueduct Company without expense to the City of Burlington. The temporary line crossing the bridge has not, as yet, been taken up, though it has been disconnected at both ends, and the meter removed. There is, at present, no connection between the Winooski Aqueduct Company and those of this city.

The unusually large amount of the unpaid bills for water, $425.27, an excess of $346.55 over the amount report-

ed a year ago, is due to our inability to collect bills to the amount of $326.35 for metered water furnished to a department of the city.

The water supply is now off for non-payment in four places only, and there is no reason to expect that the city will be the loser by reason of the non-payment of any of the bills carried forward.

The indicated pumpage for the year, 312,896,525 gallons, is about 4,000,000 in excess of that of 1899. Taking into account the fact that of this amount about 11,000,000 were consumed in Winooski, it is apparent that our consumption for the year has been about 7,000,000 less than for 1899, or about 35,000,000 less than that of 1893.

The pumping machinery has recently been thoroughly overhauled and is in condition to render as efficient service as at any time since its purchase.

The stone post, mentioned in the recorded description of the Pumping Station premises, as marking the intersection of the north line of the right of way with the west line of Lake Street, has not, as yet, been set.

In response to a resolution of your Honorable Board, calling upon the Central Vermont Railroad Company to vacate Lake street, or arrange to set apart other land acceptable to the city in lieu thereof, a representative of that corporation recently visited this city, and was shown the location of Lake street and the water main in the North Lumber yard. The latter lies along under the railroad track from Cranes's office, northerly, for a distance of about two thousand feet.

The condition of the market, though tending to lower prices, has not been such as to encourage extensions, and it has again been deemed best to curtail pipe laying wherever

possible, without serious detriment to the service, and make correspondingly increased deposits to the sinking fund.

The receipts for 1899, the amount provided for disbursement in 1900, have proved sufficient to meet the current expenses of the department, interest included, pay a debt of $2,200.00, authorized by your Honorable Board for Construction, and increase the sinking fund by $12,296.58.

The bonded debt of the city incurred for this department is made up as follows:

4 per cent. bonds due in	1906	$160,000 00
" " " " " "	1914	30,000 00
" " " " " "	1919	58,000 00
Total		$248,000.00

Fifteen thousand of the issue due in 1906 are held by the sinking fund. There is no other outstanding indebtedness incurred for the water department.

Since the enactment of the amendment to the city charter requiring that "A sum not less than five per cent. of the amount of the gross receipts from all sources derived from the use of water for the year ending the 31st of December of the year previous, shall be placed to the credit of the sinking fund, to be applied in the reduction of the bonded and other indebtedness of the city incurred for the benefit of the water department," deposits have been made with the City Treasurer as follows:

To pay other than bonded debts incurred by authority of the City Council.

Dec. 31, 1899.	Construction account for the year,	$2,726 42
Dec. 31. 1900.	" " " " "	2,200 00

To be applied in reduction of the bonded debt.

September 10, 1897,	5 per cent. required by charter	2,360 25
August 4, 1898,	" " " " "	2,259 16
August 10, 1899,	" " " " "	2,297 94
August 14, 1900,	" " " " "	2,439 13
November 9, 1899,	surplus funds	4,000 00
December 31, 1899,	" "	1,531 17
December 31, 1900,	" "	9,857 45
	Total	$24,745 10

The resolution, establishing a discount on all bills for water paid before 10 P. M., of the 10th day of the month in which they become due, has now been in force for three collection periods. About eighty-five per cent. of the water takers save the discount, and the saving in office work is considerable.

While the regulations, in regard to the granting of the discount, have been generally satisfactory, there have been, as was to be expected, some instances of parties who felt, or claimed to feel, that during the first ten days of the water collection period, they were too busy to attend to the matter, and that, in their case, the discount should be permitted on the 11th or later. But few such cases have come to our notice, nearly all of the delinquent rate payers appreciating the fact that some rule is necessary, and that the five per cent. is but a small penalty for their thoughtlessness or neglect.

Your Water Commissioners appreciate the fact that they have no authority to make exceptions to the regulations provided for their guidance, and in the matter of discounts, have seen no cause to recommend that exceptions be made. Our

experience indicates that with continued fair and impartial observance of the regulations, in regard to discount, the general satisfaction with the same will increase, rather than diminish. The statement is occasionally made, "If every one, paying later than the 10th, loses his discount, I am willing to, but if there are any exceptions, I wish to be included in the list." It is hardly necessary to say that your instructions, in this matter, have been carefully followed.

The number of those to whom any considerable variation in the amount of the water bill immediately suggests inaccuracy of the meter, as also the number of those who fail to appreciate the peculiarity of the request that water wasted be furnished at a less rate than the same quantities legitimately used, is becoming noticeably less.

Owing to the better acquaintance of the general public with the water meter, and in part, no doubt, to the frequent inspections now in vogue, there have been, during the year, but two written applications for rebate of meter bills. In neither case were we able to recommend to your Honorable Board that the request be granted, and in neither case was it granted.

Biological and chemical examinations have been made as usual, at the laboratory of the State Board of Health. For tabulated statement of these examinations, as also for other details of the season's work and expenditures, reference is made to the accompanying report of the Superintendent.

Respectfully submitted,

A. ADSIT,
J. E. MEAGHER, } Water Commissioners.
J. E. LANOU.

THIRTY FOURTH ANNUAL REPORT.

OF THE

SUPERINTENDENT OF WATER WORKS.

To the Honorable Board of Water Commissioners of the City of Burlington, Vt.:

GENTLEMEN :—The following is a statement of the receipts and disbursements of the Burlington City Water Works for the year ending December 31, 1900.

RECEIPTS.

From L. C. Grant, City Treasurer :		
Amt. of appropriations for current expenses	$46,343 58	
" of appropriations for sinking fund	2,439 13	
Total amount of appropriations		$48,782 71
Sales of meterial, permits, &c		1,914 69
Transfer from current to construction account		2,200 00
		$52,897 40

DISBURSEMENTS.

Construction :

Cast iron pipe		$ 600 00	
Labor on mains		1,060 04	
Material for services	$238 81		
Labor on services	301 15	539 96	
Total construction			$2,200 00

Current: MAINTENANCE.		
Pay-rolls	$2,619 80	
Salary of Superintendent	1,200 00	
Care and repair of reservoir premises	518 39	
Stable expenses	468 70	
Material for management and repairs	483 81	
City of Burlington, other departments	444 90	
Salary of Registrar	400 00	
Hydrant inspection and repairs	334 13	
Salary of Water Commissioners	300 00	
Pipe and fittings	241 68	
*Dr. Bradley's extension	225 00	
Hydrants	180 00	
Repair of tools	162 26	
Coal for office, store-room and tank	154 50	
Printing, advertising and postage	150 95	
Office expenses	109 64	
*Queen City Cotton Company's extension	100 00	
New England Telephone and Telegraph Co	79 30	
Care and repair of private telephone line	62 77	
Gas for office and store-rooms	27 16	
		$8,262 99
Replacing of cement pipe with cast iron:		
Labor	$2,930 58	
Pipe	2,504 37	
Lead and yarn	613 37	
Gates	266 25	
		$6,314 57

* Work done at the expense of the owner of the premises.

Interest:

Interest on debt					$9,920 00

PUMPING.

Low Service Station:

Fuel			$4,434 02	
Pay-rolls			2,062 68	
Repairs to machinery			504 32	
Repairs to buildings and grounds			360 96	
Supplies			191 60	
Boiler insurance			80 00	
Fire brick			74 95	
Gas			55 78	
			$7,764 31	

High Service Station:

Station pay-roll			$183 57		
Fuel and lights			33 91		
Repairs to building			21 59		
Steam pump, pay-roll	$34 86				
" fuel	36 94				
" repairs	10 00		81 80		
Motor, pay-rolls	134 92				
" repairs	49 02		183 94		
				504 81	
					$8,269 12

Meters:

Pay-rolls		$1,703 46		
Meters		1,430 52		
Freight and repair bills		300 16		
			$3,434 14	

Total maintenance	$36,200 82

TRANSFERS.

To sinking fund	$12,296 58	
To construction account	2,200 00	
Total transfers		$14,496 58
Total disbursements		52,897 40

RECAPITULATION.

RECEIPTS.

From L. C. Grant, City Treasurer	$52,897 40

DISBURSEMENTS.

Transfer to construction	$ 2,200 00		
Transfer to sinking fund	12,296 58		
Total transfers		$14,496 58	
Construction		2,200 00	
Current	$8,262 99		
Replacing	6,314 57		
Pumping	8,269 12		
Meters	3,434 14		
		$26,280 82	
Interest		9,920 00	
Total maintenance			$36,200 82
Total disbursements			$52,397 40

WATER TAX COLLECTIONS.

RECEIPTS.

Schedule rates	$ 9,689 17	
Meter rates	39,404 29	
Total receipts		$49,093 46

DISBURSEMENTS.

L. C. Grant, City Treasurer.....$49,093 46

UNPAID WATER RATES.

Schedule rates, eight in number.....	$ 39 85	
Meter rates, fourteen in number.....	385 42	
Total unpaid water rates forward to 1901.....		$425 27

AUDITORS' STATEMENT.

We, the undersigned, have examined the books and vouchers for the year 1900, of F. H. Crandall, Superintendent of the City Water Works, and find them correct.

We also find that the provision of the water ordinance, relative to penalty for failure to pay promptly, has been fairly and impartially enforced.

GEO. W. BECKWITH,
JOHN C. FARRAR, } Auditors.
THOMAS FAILEY,

Statement of assessments and current expenditures for year ending December 31, 1900.

The paid assessments of this statement are the receipts for the year, less whatever portion of the same was assessed previous to January 1, 1900. The unpaid are the unpaid of January 1, 1901, less whatever portion of same are of more than one year's standing.

ASSESSMENTS.			DISBURSEMENTS.		
PAID.			Interest		$ 9,920 00
			Replacing cement pipe		6,314 57
Meter rates	$39,364 09		Current	$8,262 99	
Schedule rate	9,665 98		Pumping	8,269 12	
	$49,030 07		Meters	3,434 14	$19,966 25
Mat. and labor	1,861 30	$50,891 37	Total maintenance		$36,200 82
UNPAID.			Excess of assessments		
			To sinking fund	$12,296 58	
Meter rates	$375 86		" Construction	2,200 00	
Schedule rates	39 85		" City Treas.	193 97	
	$415 71		" City Treas.	533 29	
Material and labor	117 58	533 29	Total excess		$15,223 84
		$51,424 66			$51,424 66

WATER PUMPED.

1900.	Gallons.
January	20,572,950
February	19,008,175
March	20,939,475
April	22,393,650
May	25,728,125
June	29,607,500
July	36,670,825
August	26,862,500
September	30,284,625
October	25,464,950
November	30,182,925
December	25,180,825
Total	312,896,525
Total, 1899	308,912,525
Increase in 1900	3,984,000
Daily average in 1900	857,250
Daily average in 1899	846,335

SERVICES.

There have been added 61 services of the following sizes:

Fifty-two	½	inch.
One	¾	"
Three	1	"
Five	2	"

Of the above, three, one for Wells & Richardson Company on Pine street, one for the Malted Cereals Company on Pine street, and one for H. L. Ward on Willard street, corner of Main street, replace old services.

HYDRANTS.

There have been no new hydrants ordered during the year. During the progress of the season's work, the following changes of location have been made:

Union Street, N. W. cor. Maple to N. E. cor.

Mansfield Avenue, S. W. cor. Loomis to N. W. cor.

Bank Street, S. E. cor. Battery to N. E. cor.

Pearl Street, N. W. cor. Clarke, branch extended 2½ feet northerly to permit relocation of curb.

A capped hydrant base was set on Brookes Avenue, N. W. cor. North Willard Street.

Total number of public hydrants	177
Total number of private hydrants	36
Total	213

SUPPLY PIPE.

There has been no supply pipe either added or discontinued during the past year.

Total length of supply pipe now in use ..... 14,380 feet.

MAINS.

New mains have been laid as follows:

	Feet.	
WITH 10 INCH CAST IRON PIPE.		
Willard street from College street, southerly..	481	
WITH 8 INCH CAST IRON PIPE.		
Willard street from Main street main, northerly to 10 inch.....	6	
WITH 6 INCH CAST IRON PIPE.		
Brookes avenue from Willard street, easterly to dead end	866	
Central avenue from Harrison, northerly to dead end	320	
Bradley Place, so-called, easterly from Union.	312	
Wright avenue, so-called, westerly from dead end	75	
Drew street, northerly from North.....	6	
WITH 4 INCH CAST IRON PIPE.		
Drew street from 6 inch in North street, northerly to dead end.....	323	
East avenue, southerly from dead end	1044	
Clarke street from Pearl street, northerly to dead end.....	156	
		3,589

Cement pipe in the following streets has been replaced:

WITH 16 INCH CAST IRON PIPE.	
College street from Williams to Willard.....	679

WITH 10 INCH CAST IRON PIPE.

Pearl street from Clarke street to Winooski avenue	357	
College street, westerly from 16 inch	15	

WITH 8 INCH CAST IRON PIPE.

Union street from Main to Maple	806	
Winooski avenue to Pearl street	47	
Pine street at Bank	70	

WITH 6 INCH CAST IRON PIPE.

Union street, southerly from Main street main	10	
Bank street from St. Paul street to Battery	1,117	
Battery street from College to Bank	381	

WITH 4 INCH CAST IRON PIPE.

Battery street, northerly from College street main	6	
Total replaced		3,488

LENGTH OF PIPE NOW IN USE.

Cement	35,421	feet.	7	miles
Iron	167,041	"	31	"
		"		"
Total	202,462	"	38	"

GATES.

The following gates have been discontinued:

College street at Williams	1	10	inch
Pearl street at Winooski avenue	2	6	"
Winooski avenue at Pearl street	1	6	"
Union street at Main	1	4	"
Maple street at Union	1	4	"
Bank street at Pine	2	4	"

Bank street at Battery	1	4	inch
Battery street at Bank	1	4	"
Pine street at Bank	1	4	"
Total discontinued	11		

Gates have been set in the following locations :

College street at west line of Williams	1	16	inch
College street at west line of Willard	1	16	"
College street at east line of Willard	1	16	"
Willard street at south line of College	1	10	"
Willard street at north line of Main	1	10	"
Pearl street at east line of Winooski avenue	1	10	"
Pearl street at west line of Winooski avenue	1	10	"
Union street at south line of Main	1	8	"
Union street at north line of Maple	1	8	"
Winooski avenue at north line of Pearl	1	8	"
Pine street at north line of Bank	1	8	"
Pine street at south line of Bank	1	8	"
Bank street at west line of Pine	1	6	"
Bank street at east line of Pine	1	6	"
Bank street at east line of Battery	1	6	"
Battery street at north line of Bank	1	6	"
Battery street at south line of Bank	1	6	"
Brookes avenue at east line of Willard	1	6	"
Central avenue at north line of Harrison	1	6	"
Battery street at north line of College	1	4	"
Drew street at north line of North	1	4	"
Clarke street at north line of Pearl	1	4	"
Maple street at Union	1	4	"
Total	23		
Total now in use	618		

REPAIRS.

The repairs for the year have been:

On cement pipe	1 break.
On cement pipe	4 leaks.
On cement pipe	1 pick hole.
On iron pipe	2 wooden plugs.
On iron pipe	7 joint leaks.
On service pipes	14 leaks.
On broken hydrants	14

On the receipt of requests from Dr. Bradley and the Queen City Cotton Company, that water mains be laid on their property at their expense, with the understanding that when the land, in which mains are requested, shall be accepted and water mains ordered, they shall be reimbursed, the following resolution was passed.

"CITY OF BURLINGTON, In the Year One Thousand Nine Hundred:

Resolved by the City Council of the City of Burlington as follows:

That the Water Commissioners be and they hereby are authorized, on receipt of the estimated cost of the work, to lay pipe for Dr. Bradley and the Queen City Cotton Company, in accordance with their propositions received through the Water Commissioners.

Offered by Alderman Shea, and adopted by the Board of Aldermen November 3, 1900. Approved November 5, 1900."

In compliance with the instructions of the City Council contained in the above resolution, on the receipt from the Queen City Cotton Company of $100.00, and from Dr. Bradley of $225.00, to be returned to them, as above provided, extensions were made as requested.

HIGH SERVICE.

The consumption on the high service, as indicated by the pumping record of that station, was about thirteen million gallons, or about 4 per cent. of that of the low service. Of this amount about 77¼ per cent. was measured to consumers through meters. Four per cent. was estimated to have been used where meters stopped and where it was inexpedient to apply meters, five per cent. was the estimated loss in the motor, and about 13¾ per cent. remains unaccounted for.

About 82 per cent. of the pumpage was accomplished by the automatic machine, operated by down town consumption, and the remaining 18 per cent. by the auxiliary steam plant.

METERS.

There are now in use 2,311 meters, an increase of 190 over last year.

Of the water pumped, 53 per cent. has passed through meters yielding 80 per cent. of the revenue.

Respectfully submitted,

F. H. CRANDALL, Supt.

Statement of Examination of City Water made at the State Laboratory of the State Board of Health.

No.	Collected	Ex'min'd	Turbidity	Sediment	Color	Odor		Parts per 100,000					Chlorine	Hardness	Source	Bacteria	
								Residue			Ammonia						
						Cold	Hot	Total Solids	Loss on Ignition	Fixed Solids	Free	Albuminoid				No. per c. c.	No. Colon per c. c.
7895	3-28-'00	3-28-'00	None	None	.1	Very faint	Very faint	6.16	1.76	4.4	.0030	.0134	.2	4.	Intake	495.	--------
7896	3-28-'00	3-28-'00	"	"	.1	"	"	6.2	1.76	4.44	.0028	.0134	.2	3.5	Lake	450.	--------
7897	3-28-'00	3-28-'00	"	"	.1	"	"	6.72	2.4	4.32	.0026	.0128	.22	3.5	"	500.	--------
7898	3-28-'00	3-28-'00	"	"	.1	"	"	7.36	2.	4.36	.0022	.0118	.2	3.5	Taken in less than 20 feet of water between Apple Tree Point and the Winooski River; not included in average.	450.	--------
7899	3-28-'00	3-28-'00	"	"	.1	"	"	6.4	2.	4.4	.0040	.0144	.22	3.5		1400.	--------
7900	3-28-'00	3-28-'00	"	"	.1	"	"	6.08	2.	4.08	.0020	.0136	.2	3.8		1260.	--------
7901	3-28-'00	3-28-'00	"	"	.1	"	"	6.04	1.72	4.32	.0032	.0120	.24	3.5		1010.	--------
7902	3-28-'00	3-28-'00	"	"	.1	"	"	6.04	1.56	4.48	.0020	.0101	.2	4.		1080.	--------
7903	3-28-'00	3-28-'00	"	"	.1	"	"	5.96	1.6	4.36	.0020	.0114	.2	3.8		1000.	--------
7904	3-28-'00	3-28-'00	"	"	.1	"	"	5.96	1.6	4.36	.0050	.0122	.2	3.5		950.	--------
7905	3-28-'00	3-28-'00	Slight	"	Cloudy	"	"	6.	2.	4.	.0042	.0138	.22	3.5		1090.	--------
7906	3-28-'00	3-28-'00	Distinct	Consid'ble	"	"	"	6.12	1.64	4.48	.0044	.0122	.26	3.4		1900.	--------
7907	3-28-'00	3-28-'00	"	None	"	"	"	5.96	1.44	4.52	.0036	.0114	.36	3.3		3000.	--------
7908	3-28-'00	3-28-'00	"	"	"	"	"	6.	2.	4.	.0048	.0114	.28	3.5		3000.	--------
7909	3-28-'00	3-28-'00	"	"	"	"	"	6.08	1.6	4.48	.0042	.0122	.24	3.5	Winooski River	3750.	--------
8970	7-2-'00	7-2-'00	None	"	.00	"	"	5.6	1.4	4.2	.0036	.0134	.24	3.5	New reservoir	650.	--------
8971	7-2-'00	7-2-'00	"	"	.00	"	"	6.72	2.	4.72	.0036	.0132	.24	3.5	Old reservoir	950.	--------
8985	7-3-'00	7-3-'00	"	"	.00	"	"	6.8	2.2	4.6	.0028	.0170	.24	3.5	Old sq. or No. reserv'r	350.	--------
8986	7-3-'00	7-3-'00	"	"	.00	"	"	7.48	2.4	5.08	.0050	.0138	.26	3.5	New or So. reservoir	800.	--------
9010	7-5-'00	7-5-'00	"	"	.00	"	"	7.6	2.4	5.2	.0044	.0128	.24	3.5	Old reservoir	450.	--------
9011	7-5-'00	7-5-'00	"	"	.00	"	"				.0050	.0114	.24	3.5	New reservoir	600.	--------
9015	7-6-'00	7-6-'00	"	"	.00	"	"				.0044	.0124	.26	3.5	Old reservoir—37	500.	--------
9016	7-6-'00	7-6-'00	"	"	.00	"	"				.0074	.0150	.24	3.7	New res. w. 2' deep	750.	--------
9043	7-7-'00	7-7-'00	"	"	.20	Faint	Faint	7.6	2.6	5.	.0052	.0152	.2	3.5	Low service tap	650.	--------
9044	7-7-'00	7-7-'00	"	"	.00	"	"	7.88	2.6	5.28	.0052	.0180	.2	3.5	Old reservoir	700.	--------
9051	7-9-'00	7-9-'00	"	"	.00	"	"								High service tap	500.	--------

Statement of Examination of City Water made at the State Laboratory of the State Board of Health.—*Continued.*

No.	Collected	Ex'min'd	Turbidity	Sediment	Color	Odor		Parts per 100,000					Chlorine	Hardness	Source	Bacteria	
								Residue			Ammonia						
						Cold	Hot	Total Solids	Loss on Ignition	Fixed Solids	Free	Albuminoid				No. per c. c.	No. Colon per c. c.
9052	7- 9-'00	7- 9-'00	None	None	.00	Faint	Faint	*							Reservoir	1200.	--------
9053	7- 9-'00	7- 9-'00	"	"	.00	"	"								Tap, Laboratory	250.	--------
9065	7-11-'00	7-11-'00	"	"	.00	None	None								High service tap	120.	--------
9066	7-11-'00	7-11-'00	"	"	.00	"	"								New res. after cleani'g	120.	--------
9073	7-12-'00	7-12-'00	"	"	.00	"	"	*							Reservoir	1100.	--------
9074	7-12-'00	7-12-'00	"	"	.00	"	"	*							Reservoir	1320.	--------
9084	7-13-'00	7-13-'00	-- ----												Low ser. (res)p'mp.wk.	720.	--------
9085	7-13-'00	7-13-'00	-- ----												Hi.serv.tap pmp. j'st.st	300.	--------
10039	10-15-'00	10-15-'00	"	"	.00	"	"	6.64	1.4	5.24	.0020	.0152	.24	5.	Tap, Laboratory		--------
10174	10-29-'00	10-29-'00	"	"	.00	"	"	9.12	2.4	6.7	.0044	.0132	.3	4.	North reservoir tap	200.	--------
10175	10-29-'00	10-29-'00	Slight	"	Cloudy	Very faint	Very faint	7.8	1.8	6.08	.0036	.0108	.32	4.	High service tank tap	350.	--------
10176	10-29-'00	10 29-'00	None	"	.00	None	None	6.4	1.4	5.0	.0038	.0140	.2	4.	South reservoir	350.	--------
10195	10-30-'00	10-30-'00	"	"	.00	"	"	6.68	1.3	5.38	.0042	.0148	.2	4.5	North reservoir tap	50.	--------
10196	10-30-'00	10-30-'00	"	"	.00	"	"	6.64	1.2	5.44	.0028	.0128	.18	4.	South reservoir tap	150.	--------
10197	10-30-'00	10-30-'00	"	"	.00	"	"	6.	1.4	4 5	.0036	.0142	.16	3.5	Hi. serv. tap, Sum't St.	75.	--------
10198	10-30-'00	10-30-'00	"	"	.00	"	"	7.08	2.	5.08	.0042	.0160	.2	3.7	Hi. serv. tank B.W.W.	600.	--------
10211	10-31-'00	10-31-'00	"	"	.00	"	"	7.6	2.2	5.4	.0036	.0128	.2	4.	" " "	300.	--------
10212	10-31-'00	10-31-'00	"	"	.00	"	"	6.8	1.2	4.6	.0042	.0160	.2	3.5	Hi. ser tap, Sum't St.	100.	--------
10213	10-31-'00	10-31-'00	"	"	.00	"	"	8.	2.4	5.6	.0046	.0148	.22	3.5	South reservoir	100.	--------
10214	10-31-'00	10-31-'00	"	"	.00	"	"	6.8	1.4	5.4	.0036	.0152	.34	3.5	North reservoir	300.	--------
10219	11- 1-'00	11- 1-'00	"	"	.00	"	"				.0046	.0154	.24	3.8	North reservoir tap	100.	--------
10220	11- 1-'00	11- 1-'00	"	"	.00	"	"				.0026	.0088	.26	3.5	High service tap	75.	--------
10221	11- 1-'00	11- 1-'00	"	"	.00	"	"				.0042	.0176	.2	3.5	So. res. tap, 4 ft. water in res. going into serv.	150.	--------
	Average										.0039	.0139	.23				

* Dregs, at time of cleaning, not counted in making averages.

1900

SUMMARY OF STATISTICS

SUGGESTED BY

NEW ENGLAND WATER WORKS ASSOCIATION.

Burlington City Water Works.
Burlington, Chittenden County, Vermont.
Population by U. S. census, 1900, 18,640.
Works constructed 1867–8.
Owned by City.
Source of supply, Lake Champlain.
Mode of supply, pumping.

PUMPING.

1. Builders of pumping machinery, H. R. Worthington.
2. Description of fuel { *b* Bituminous. *d* Reynoldsville. *e* $3.70. } 51 weeks. *g* Mill shavings 1 week.
6. Total pumpage for the year, 312,896,525 gallons.
7. Average static head against which pumps work, 289 feet.
8. Average dynamic head against which pumps work, 316 feet. Cost of Pumping, figured on Pumping Station Expenses, viz., $8,269.12.
11. Per million gallons raised against dynamic head into reservoir, $26.17.

12. Per million gallons raised one foot high (dynamic), $0.08. Cost of Pumping, figured on total maintenance, viz., $36.200.82.

13. Per million gallons raised against dynamic head into reservoir, $114.55.

14. Per million gallons raised one foot high (dynamic) $0.366.

FINANCIAL.

Division I. MAINTENANCE.

RECEIPTS.				EXPENDITURES.			
From Consumers:				AA. Management and repairs.			
A. Water rates, domestic		$38,239 01		Repl. cement	$6,314 57		
B. Water rates, manufacturing		3,953 21		Current	8,262 99		
C. Net receipts for water		$42,192 22		Pumping	8,269 12		
D. Miscellaneous		1,914 69		Meters	3,434 14		
E. Total		$44,106 91				$26,280 82	
From public funds:				BB. Interest on bonds		9,920 00	
F. Hydrants	$3,540 00			CC. Total maintenance		$36,200 82	
G*. Fountains	230 45			DD. Balance to Con.	$ 2,200 00		
H*. Street watering	2,056 34			" " S. F.	12,296 58		
I*. Public buildings	586 23			" " C. Tr.	310 75		
Watering troughs	243 75			Total balance		$14,807 33	
Other public use	244 47			EE. Total		$51,008 15	
		$ 6,901 24					
K. Gross receipts from all sources		$51,008 15					

Division II.

From fixed rates.	L. Domestic	$ 9,689 17	
	M. Manufacturing		
	N.		$9,689 17
From Meter rates.	O. Domestic	$35,451 08	
	P. Manufacturing	3,953 21	
	Q.		$39,404 29
	Total		$49,093 46

CONSTRUCTION.

RECEIPTS.		DISBURSEMENTS.	
T. Trans. from Cur. App.	$2,200 00	FF. Extension of mains	$1,660 04
		GG. Extension of services	539 96
V. Total	$2,200 00	KK. Total	$2,200 09

W. Cost of work to date $468,039 73
X. Bonded debt to date 248,000 00
Y†. Value of sinking fund at this date 64,076 40
Z†. Rate of interest, three and one-half and four per cent.

CONSUMPTION.

1. Estimated total population at date, 18,800.
2. " " " on lines of pipe, 18,300.
3. " " " supplied, 18,100.
4. Total number of gallons consumed for year, 312,896,525.
5. Passed through domestic meters, 140,045,612 gallons, or 45 per cent.
6. Passed through manufacturing meters, 27,797,250 gallons, or 8 per cent.
7. Average daily consumption, 857,250 gallons.
8. Gallons per day to each inhabitant, 46.
9. Gallons per day to each consumer, 47.
10. Gallons per day to each tap, 256.

* Paid at meter rates.

† Toward paying the entire bonded debt of the city, $625,000.00.

DISTRIBUTION.

MAINS.

1. Kind of pipe, cement lined, cast iron, wrought iron.
2. Size from 4 to 30 inches.
3. Extended, 7,077 feet.
4. Discontinued, 3,488 feet.
5. Total now in use, 38 miles.
6. Cost of repairs per mile, $4.61.
7. Leaks per mile, 0.36.
8. Small distribution pipe less than four inch, total length 14,380 ft.
9. Hydrants added, 0.
10. Number now in use, 213.
11. Stop-gates added, 23.
12. Number now in use, 618.
13. Small stop-gates less than four-inch, total 59.
14. Number of blow-off gates, 12.
15. Range of pressure on mains at center, for day and night, 70 to 85 pounds.

SERVICES.

16. Galvanized iron, cast iron and lead.
17. From one-half to six inches.
18. 1,891 feet.
19. 120 feet.
20. 18 miles or 95,820 feet.
21. Service taps added, 61.
22. Number now in use, 3,350.
23. Average length of services, 31 feet.
24. Average cost of services, $9.01.
25. Meters added, 190.
26. Meters now in use,
    a. domestic.....2,271
    b. manuf'g..... 40
    Total.....2,311.
27. Motors and elevators added, 0.
28. Number now in use, 35.

STORAGE.

Earthwork reservoirs, low service, capacity 7,000,000 gallons; iron tank, high service, capacity 169,617 gallons.

THIRTY-FIFTH ANNUAL REPORT

OF THE

CHIEF ENGINEER

OF THE

FIRE DEPARTMENT.

To the City Council of the City of Burlington :

GENTLEMEN :—I herewith submit my annual report as Chief Engineer of the Fire Department of Burlington for the year ending December 31, 1900. This report includes a detailed statement of all fires and alarms that have occurred during the year, with the losses and insurance as near as can be ascertained.

It also contains an inventory of the equipment and effects of each fire station, with a report of the condition thereof, and a table of facts relating to the force of firemen in the present service together with certain recommendations and suggestions which in my judgment will tend to the improvement and successful working of the Fire Department.

MANUAL FORCE.

The present force of the department is as follows : chief engineer, two assistant engineers, four captains, four drivers, six pipemen and ladder men, one electrician and twenty-seven call men. There have been three suspensions during the past year in the regular force.

APPARATUS.

The apparatus of the department consists of the following: One second-class Button-steam fire engine, one Babcock double tank chemical engine, (50 gall. tanks), 3 four-wheel two-horse hose wagons, one hook and ladder truck, one exercise wagon and two hose sleds.

HOSE.

The department has at present 4,650 feet of good hose, and 1,500 feet of medium quality hose.

HORSES.

There are at present 8 horses in the department, all in active service. Of the horses in station two, one is in fair, the other in poor condition. One team in station three is not suitable for the present service; in station one, three of the horses are in good condition, one not suitable.

HARNESSES.

The harnesses in the department are in fair condition, but will soon need repairing, and one new set should be purchased.

HOUSES.

At present all houses are in a good state of repair, except that they are badly in need of painting to prevent them from decay.

NUMBER OF ALARMS.

During the year 47 alarms were rung; 30 gong alarms, 17 still alarms.

FIRE LOSS.

The most reliable statistics place the estimated loss at $245,333.34; insurance paid, $122,880.48. Estimated value of property, $527,738.34.

In response to call for aid the department, during the year, attended outside of the city limits, November 21, at Winooski. Number three station was ordered to place of fire, where it was in service nine hours.

The cost of maintaining the department the past year was $14,764.29. The appropriation was $14,000. Now, as it can be plainly seen that it is impossible to run this department with the appropriation made last year, I would ask that the appropriation for the year 1901 be $16,000, as we are greatly in need of new apparatus, hose, and other supplies to maintain the efficiency of the department.

NUMBER OF BUILDINGS IN THE CITY.

Brick and stone buildings, eleven hundred and seventy-two; wooden buildings, three thousand two hundred and sixty-one.

FIRE ALARM—CHANGES AND IMPROVEMENTS.

During the past year there have been several changes made: The lines have been shortened and renewed and made more substantial. Our fire alarm system is in good condition but a few alterations are needed.

WATER SUPPLY.

Our water supply has been greatly improved during the last few years. The pumping station now has a capacity of 1,800,000 gallons every twenty-four hours. It is composed of two pumps. This capacity gives an average water pressure of

about 75 pounds, and at extreme pressure 120 pounds. We have now in use in our city 213 hydrants.

I also desire, at this time, to call your attention again to the necessity of adding to the number of fire hydrants, as at present in some parts of the city it requires long lines of hose which is a decided detriment to the working of the department.

In order to get full power of our hydrants and do good and effective work, our lines of hose should be made as short as possible.

The first cost of putting in a hydrant is really the only expense as the maintenance thereafter is merely nominal, therefore in my judgment, it is cheaper to have a large number of hydrants and less quantity of hose.

RECOMMENDATIONS.

Under this head I beg again to call your attention to the urgent necessity of the adoption of the recommendations made in previous reports which have not been acted upon. They are briefly as follows:

One new horse for station one; a horse and wagon for the chief; to build a suitable building for station one and the Hook and Ladder Company; also a new modern hook and ladder truck, as the one now in use is not equal to the rest of the apparatus, and the inconvenient arrangements for the handling of this piece of apparatus have been plainly apparent for some time; to connect all stations with the public telephone; to appoint a city electrician; better fire protection in our places of amusements.

To adopt rules and regulations for the use and storage of calcium carbide.

I would also recommend that at least three Vageur Beder smoke protectors be purchased for the use of the department, as they are, in my opinion, the most practical and useful instruments in aiding the department to save life and property.

I would again call your attention to the urgent need of a new exercise wagon, as the one now in use is in an unsafe condition, being dangerous to life to respond to an alarm in its present condition, as it is beyond repairing.

Also to the urgent need of additional fire alarm boxes. Some portions of the city are unprovided for and it is misleading to the department when responding to an alarm in some parts of the city, the distance between boxes being so great.

The need of compulsory provision of portable escapes in each room of all hotels, boarding houses and lodging houses and high buildings. For several years my recommendations for additional fire protection and apparatus were set aside, notwithstanding that property in certain sections of the city is not properly protected and I feel that your honorable body must agree with me that to save in the matter of cost for additional fire protection and new apparatus at the constant risk of human life and great destruction of property, is a false and expensive economy and I can not too strongly urge the absolute importance of providing for these pressing and immediate needs.

ELECTRICAL INSPECTOR.

As this is an important matter in connection with the fire department, I feel it my duty to again call your attention to the subject. I would recommend that there should be a city electrician, and that he shall have the supervision

of the construction of all wires and appliance used in the interior of all buildings, public or private, including electrical plants, and of every wire and appliances within any building designed to carry or supply electrical current, and shall have the right to prohibit the use of any wire or appliance which shall be defective or dangerous, either in material or workmanship. Experience is teaching us that in the construction of wires and appliances designed for electrical purposes upon public streets and in private ways, there is great danger to life and property, unless such work is properly performed. Up to this time there has been no adequate means provided by the city for an intelligent supervision of such work. A longer delay in this matter may bring serious results.

Attention has been called to this important matter in previous reports ; but additional force is lent to this suggestion at this time by the fact that during a heavy storm in the past year the fire alarm system was almost entirely crippled for a period of three days, the cause being heavily charged electric wires coming in contact with the fire system. This resulted in burning out six boxes and three tap bells, rendering one complete circuit useless for a period of three days. This encroachment on the premises of the fire system, by stringing wires in dangerous proximity thereto, should by all means be stopped. Some rules and regulations should be adopted in relation thereto, and a competent electrician appointed who shall be authorized to see that such rules and regulations are not violated.

I trust that your Honorable Board will be impressed with the importance of this matter, and will take proper steps to accomplish the necessary measures.

REMARKS.

During the past year only two fires of any considerable magnitude have occurred. The total fire loss for the year was somewhat larger than in the preceding year, but considering the great amount of property involved in the two large fires, and the opportunities which existed for a far greater loss, the total results for the year are very creditable to the fire department.

And stopping to consider the matter, one cannot but be impressed by the brief duration and insignificance of the greater number of fires that occur, as compared with those in the years before the existence of the paid fire department. And with the greatest personal satisfaction I can only conclude that this is to the credit of the paid department, and not only this, but the excellent records of the years past could only be attained by general excellence, systematized methods, and close attention to duty on the part of the present fire department.

In connection with the above it is pertinent to here remark, that of all the departments in this or any city, the fire department must come first in point of importance. It is the department which is called upon to perform the most important duties, with scarcely a moment for plans to be made, and the slightest error is liable to result in wholesale destruction of property and possibly loss of life. Therefore it is of the greatest importance that men of cool judgment and experience should be at the head of the department, and that after having proved their competency for the position they occupy, they should only be removed for good and sufficient cause.

Having referred to the brief duration of the greater number of fires that occur, it is consistent and valuable to

again note that 58 per cent. of all the fires during the past year were put out with the chemical engine. This practical piece of apparatus has proven of invaluable service where prompt measures were required, not only in saving property from damage by fire, but from damage by water which would otherwise have had to be used.

For the best interests of the fire department, I feel it incumbent on me to here pass opinion on a resolution recently submitted before the Board of Aldermen regarding rating and payment of the call men on a system of percentage, attendance at every fire during a year giving a perfect percentage, absences from fires lowering the percentage, the rating and payment of the men corresponding with their percentage standing.

In my opinion such a system would not be for the best interests of the fire department. Under such a system, the men would come to feel a certain amount of liberty to absent themselves from a fire if the same occurred at a time inconvenient or unpleasant for them to attend. They would feel that in absenting themselves they would merely suffer the loss of a small percentage, and that that would be the entire substance of the matter. This might prove a serious matter if it should occur on some night when weather conditions tended to keep many indoors.

Furthermore, the keeping of snch a percentage system, as can be readily understood, would be such a complicated matter, would require such an endless amount of detail work, that it would be highly impractical. Far better be it to have it definitely understood what amount of compensation the call men are to receive, have attendance at all fires where their services are needed compulsory, and have sickness, death in the family or permitted absence from home,

the only excuses that would be accepted for non-attendance at fires.

In closing this thirty-fifth annual report, I wish to extend to the officers and members of this department my sincere thanks for the faithful manner in which they have performed their several duties. I also extend to your honorable body my sincere thanks for the many courtesies shown me by you while in the discharge of my duties. Your willingness at all times to aid us by furnishing such improvement as the organization of this department has demanded from time to time, has been very gratifying to me, and should be appreciated by all citizens interested in the welfare of our department.

My thanks are extended to all persons with whom I have been associated in the performance of my official duties as chief of the department.

Respectfully submitted,

MOSES MURRAY,

Chief Engineer Burlington Fire Dept.

STATION No. 1.

LOCATED ON CHURCH STREET.

With this company is a chemical engine built by the Babcock Fire Extinguisher Co., of Chicago, Ill., placed in service March 1, 1895. It has two fifty gallon tanks, weighs 4,930 pounds when in use, and is drawn by two horses. Also a two-horse, four-wheeled hose wagon built by Gleason & Bailey, Seneca Falls, N. Y., placed in service March 21, 1895, weighs 4,730 pounds and is capable of carrying 1,300 feet 2½ inch rubber-lined hose.

ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
1	W. J. Brown,	Captain,	14 Walnut,	43	May 20, 1895
5	H. M. Riley,	Electrician,	186 Elmwood Ave.	38	July 1, 1895
7	F. F. Miller,	Pipeman,	7 No. Champlain,	29	Sept. 1, 1897
9	Seymour Lozo,	Driver,	23 Center,	27	Apr. 28, 1899
11	Peter Benoit,	Driver,	104 No. Champlain	28	Feb. 27, 1899
13	W. W. Conner	Engineer,	54 So. Champlain,	24	May 3, 1900
14	G. W. Hurlbert	Pipeman,	56 Murray,	25	May 15, 1900

INVENTORY STATION NO. 1. APPARATUS ROOM.

One hose wagon complete, 1 chemical engine, 1 clock, 1 indicator, 14 pairs rubber boots, 6 rubber hats, 1 ball nozzle and pipe, 2200 feet rubber-lined hose in good condition, 700 feet rubber-lined hose in fair condition, 1 27-foot sliding pole, 3 pairs rubber mittens, 3 play pipes, 1 deluge set, 15 rubber coats, 3 hydrant wrenches, 3 perfection holders, 30 feet ½-inch rope, 7 spanners, 3 hose patches, 13 ladder straps, 2 wrenches, 1 sliding pole guard, 3 hydrant gates, 1 exercise wagon, 100-feet garden hose in good condition 4 horses, 2 full sets double harness, 4 halters, 4 street blankets, 3 surcingles, 3 leading chains, 2 whips, 2 sets combs and brushes, 2 grain boxes, 2 2-qt. measures, 2 stable forks, 1 hay fork, 2 stable brooms, 2 stall hooks, 4 water pails, 4 sponges, 1 box harness soap, 1 small and 1 large basket, 2 wet bandages, 2 heavy bandages, 1 ankle boot, 1 medicine chest, 1 box shoe calks, 1 calk wrench, 4 s alls complete, 1 wagon jack, 1 box wagon grease, 2 scoop shovels, 8 bushels oats, 4 bales hay, 2 bales straw, 4 harness hangers, 1 oil stone, 1 work bench, 1 wood vise, 1 iron vise, 1 water cooler, 1 gas lighter, 12 cuspidors, 1 hot water heater and boiler, 1 ice

chisel, 1 wire door mat, 5 old chairs, water sprinkler, 1 scrub brush, ¼ gallon sperm oil, 1 can burnishine, 1 extra hub band, 2 brush brooms, 1 shoe brush, 5 whiffletrees, 2 door releasers, 4 door springs, 1 horse trip, 4 drop hitching bolts, 10 tons coal, 1 furnace shovel, 1 coal hod, ½ dozen old hose couplings, 3 gallons acid, ½ gallon acid measure, 2 dripping pans, 2 rubber scrapers, 3 mops, 1 8-foot step ladder, 1 5-gallon oil can, 2 dust pans, 2 chamois skins, 2 oilers, 1 window brush, 1 hose mender, 3 hand saws, 1 draw shave, 1 hatchet, 1 mallet, 1 2-foot square, 1 bit brace, 1 belt punch, 2 wood chisels, 1 extension bit, 1 rimmer, 2 countersinks, 8 bits, 2 jack planes, 1 hammer, 2 files, 1 pair plyers, 50 lbs. ground feed, 25 lbs. bran, 1 try square, 11 bedsteads complete, 70 yards old carpet, 1 desk, 1 centre table, 15 hardwood chairs, 10 soft wood chairs, 10 lockers, 7 bath towels, 18 roller towels, 1 carpet sweeper, 2 wool dusters, 1 hamper, 1 basket, 2 chandeliers of 2 lights, 1 chandelier 3 lights, 4 wall gas jets and globes, 1 mirror, 2 towel racks, 67 window shades, 9 window screens, 1 60-gallon oil tank, 1 floor oiler, 1 new hose sled, 3 rubber covers, 2 stable blankets, 1 manure box, 1 combination hand tool, 1 14-inch Stilson wrench, 1 horse clipper machine, 1 box lubricating, 20 lbs. oil meal, 50 feet ⅞ ropes, 2 pairs extra harness hangers complete, 3 snow shovels, 2 rivet swedges, 5 monkey wrenches, 5 house brooms, 1 5-gallon oil can, 1 7-inch compass, 1 1-gallon oil can.

INVENTORY ENGINEER'S OFFICE. STATION NO. 1.

One roller top desk, 2 revolving desk chairs, 9 common chairs, 2 rocking chairs, 1 waste basket, 1 center table, 80 yards carpet, 5 fire hats and belts, 1 ink well, 3 extra

badges, 4 engineer's hat front pieces, 2 pads, 1 dozen pens, ¼ box brass fasteners, 1 book fire records, 2 gas chandeliers, 3 lights, 4 arm chandeliers, 1 bottle mucilage, one lot of stationery, 1 sponge cup, 1 ledger, 1 letter file, 1 small desk.

SUPPLIES, ENGINEER'S OFFICE. STATION NO. 1.

4½ doz. cakes soap, 6¼ doz. common soap, 37 packages matches, 8½ doz. rubber gaskets, 2 gallons witch hazel, 3 new couplings, 30 spanners, 14 charges for hand extinguishers, 5 lbs. cotton waste, 9 providers, 54 rolls toilet paper, 12 gallons disinfectant, 1 can axle grease, 3 old play pipes, 2 new extra wheels and pole for hose wagon, 2 extra pole snaps, 1 pair eveners and whiffletrees, 175 pounds soda, 6 old hand extinguishers, 3 6-inch spiral springs, 4 stall bolts, 8 5-inch pulley blocks, 20 fire coned hats, 9 hose hooks for tower, 16 packages window cleaner, 8 dozen common wicks, 3 extra spokes for wagon; 11 tower ropes, 3 extra rein snaps, ½ bottle of ink, 2 gross crayons, 12 boxes harness blacking, 2 chamois skins, 10 pounds rags, 3 axe helves, 2 stable brooms, 6 roller towels, 2 pillow slips, 4 collar straps, 1 sheet, 26 old chairs, 1 new limb cutter, 14 old spittoons, 11 lantern burners, 1 whisk broom, 4 jars petroleum, 2 lantern globes, 1 10-foot American flag, 2 gallons polish, 1 hitch strap, 5 house brooms, 4 mop rags, 1 box shoe blacking, 2 new horse collars, 4 extra bridles.

INVENTORY BOXER ENGINE COMPANY.

One Hunnaman hand engine, 1 7-foot table, 1 box stove and pipe, 1 hose cart, 1 hose sled, 1 pair runners for hose cart.

AT THE ADDITION.

One four wheel hose reel, 800 feet linen hose, poor.

ELECTRICAL DEPARTMENT.

INVENTORY.

Thirty-four fire alarm boxes—4 private, 45 poles, 17 miles wire, 825 glass insulators, 9 tap bell strikers, 25 brackets, 1 repeater, 4 indicators, 5 galvanometers, 100 batteries in use, 68 rubber hooks, 20 pounds okenite wire, 125 cross arms, 5 hard rubber plug outs, 1 repeater table, battery shelves, automatic gas lighter, 6 matchless gas burners, 1 pair magnets, 2 pair nippers, 2 Welsbach burners, 1 time indicator, 1 hatchet, 1 hand vise and strap, 1 wire connector, 4 telephones complete, 33 iron key boxes, 1 19-inch gong, 150 feet of ½ inch rope, 2 sets of Buffalo grips, 2 bell strikers, 100 fuses, 1 pair climbers, 53 feet of weather proof copper wire.

ELECTRICAL STOCK ON HAND.

One hundred battery zincs, 17 key boxes, 30 glass jars, one-half mile of No. 10 weather proof insulated iron wire, one-half mile of No. 10 bare iron wire, 2 rubber plug outs, 200 pounds sulphate of copper, one-half mile old wire, 4 tap bell tappers, F. A., 18 single fuse blocks, S. P., 5 double fuse blocks, D. P. 3 double D. P. fuse blocks on phone.

STATION No. 2.

HOSE COMPANY. NO. 120 NORTH CHAMPLAIN STREET.

With this company is a two-horse four-wheeled hose wagon built by Gleason & Bailey, Seneca Falls, N. Y., put in service March 21, 1895, weighs 4,730 pounds and is capable of carrying 1,300 feet of 2½ inch rubber lined hose.

ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
3	M. Lynch,	Captain,	66 Front,	39	Mar. 21, 1895
4	E. Lynch,	Driver,	66 North Avenue,	45	Mar. 21, 1895
12	John Moran,	Pipeman,	182 No. Champlain	30	Apr. 12, 1895

INVENTORY STATION NO 2.

One hose wagon complete, 2 horses fair condition, 1 set double harness, 1 indicator, 1 horse trip, 1 clock, 1 set harness hangers, 1 old table, 1 rocking chair, 10 common wood chairs ,old, 7 spittoons, 12 window shades, 65 yards carpet, 1 looking glass, 5 bedsteads complete, 1 toilet brush and comb, 1 blacking brush, 1 sprinkler, 6 roller towels, 5 bath towels, 2 brooms, 2 stalls complete, 1 carpet sweeper, 50 feet garden hose, 2 wall lamps, 2 dust pans, 1 step ladder, 1 floor brush, 2 bars soap, 1 soap dish, 1 desk, 2 towel racks, 1 provider, 1 hydrant gate, 1 10-foot ladder, 10 rubber coats, poor, 10 pair rubber boots, 5 pair rubber mittens, 1 coal hod, 2 hydrant wrenches, 2 play pipes, 2 perfection holders, 2 extra tips, 6 spanners, 7 ladder straps, 2 monkey wrenches, 2 scoop shovels, 1 hammer, 1 chisel, 3 bits, 1 brace, 1 belt punch, 1 5-gallon oil can, 2 mops, 1 floor scrub brush, 3 hose patches, 2 screw drivers, 1 hot water heater, 1 20-gallon tank, 4 sponges, 1 package matches, 1 chamois skin, 1 window dryer, 1 oat bin, 3 bushels of oats, 1 bale hay, ½ ton coal, 1 wagon jack, 3 pounds waste, 7 window screens, 50 feet ¾-inch rope, 1 sliding pole, 3 pails, 1 water tank (ice), 1 brush rack, ½ can hoof ointment, 1 quart witch hazel, 1 horse boot, 2 halters, 1 pair barn blankets, 1 pair out-door blankets, 1

whip, 1 horse scraper, 1 hoof hook, 1 steel hook, 1 pair surcingles, 1 pair Sanborn bits, 1 pair straight bits, 1 door release, 2 door springs, 4 rubber hats, 2 stall bolts, 1 small oil can, 1 sliding pole guard, 1 coal sieve, 11 lamp wicks, 1 calk wrench, ½ bale straw, 40 pounds bran, 1 iron kettle, 1 center table, 5 new hardwood chairs, 4 cane chairs, 1 small and 1 large basket, 1 hay fork, 1 brush broom, 1050 feet 2½-inch rubber lined hose in good condition, 600 feet 2½-inch hose in fair condition, 1 bottle fever drops, 1 box vaseline, 1 floor oiler, 1 curry comb, 1 card brush, 2 halter snaps, 1 box harness oil blacking, 16 rubber gaskets, 1 hose stamp, 1 6-inch bell, 1 sheep-skin duster, 2 leading chains, 1 whiffletree, 2 trace chains, 1 toilet paper hanger, 2 cakes toilet soap, ½ gallon disinfectant, ½ load wood, 2 pounds nails, ½ can axle oil, 3 pounds rock salt, 1 pair old pole straps, 1 charge for hand extinguisher, 1 gallon oil, 1 roll toilet paper, 1 awl, 1 snow shovel, 1 new hose sled, 4 rubber covers, 1 sack salt, 4 lamp chimneys, 25 neverslip calks.

STATION No. 3.

ENGINE AND HOSE COMPANY. MANSFIELD AVENUE.

With this company is a Button steam fire engine, single pump, 4-inch pump steam cylinder, 8 inches in diameter with a 9 inch stroke. Built by the American Engine Co., Seneca Falls, N. Y., was put into service in 1892; is drawn by two-horses, and weighs 4,950 pounds. It is attended by a two horse four-wheel hose wagon built by Gleason & Bailey, Seneca Falls, N. Y., and placed in service March 21st, 1895, weighs 4,730 pounds and is capable of carrying 1,300 feet of 2½-inch rubber lined hose.

ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
8	Jas. Cosgrove,	Captain,	230 No. Champlain	34	Oct. 1, 1897
6	C. A. Niles,	Driver,	Station No. 3,	26	Sept. 7, 1895
10	G. L. Neal,	Pipeman,	248 N. Winooski Av.	40	May 15, 1899

INVENTORY STATION NO. 3.

Two horse releases, one hose wagon complete, 1 double harness, 2 horses in poor order, 1 set harness hangers, 1 Button steamer complete, 1 indicator, 1 horse trip, 2 horse stalls complete, 1,400 feet rubber lined hose, good, 1 100-gallon water tank, 1 heater, 1 sliding pole, 1 clock, 1 perfection holder and nozzle, 4 extra play pipes, 11 extra tips, 1 Y, 2 hose menders, 3 providers, 1 reducer, 1 jack screw, 3 tables, 6 hardwood chairs, 1 tapper, 1 wagon jack, 1 5 gallon oil can, 1 one-gallon oil can, 4 door springs, 5 rubber coats, 4 pairs rubber boots, 3 rubber hats, 1 coal tender, 400 pounds cannel coal, 5 tons egg coal, 5 spanners, 5 ladder straps, one sledge hammer, 1 screw-driver, 4 S wrenches, 3 files, 1 belt punch, 1 rivet swedge, 1 bit stock, 1 chisel, 3 bits, 2 hammers, one hatchet, 1 blacking brush, 3 steamer oilers, 1 handsaw, one wool duster, 2 brooms, 1 floor sweeper, 1 step ladder, 1 scrub brush, 3 pails, 24 window shades, 1 grain box, 4 bushels oats, 3 shovels, 100 pounds straw, 1 coal sifter, 1 window brush, 1 30-foot extension ladder, 1 curry comb, 1 horse brush, one mane brush, 1 pair shears, 1 brass scraper, 7 spittoons, one mirror, 3 chandeliers, 5 beds complete, 1 pair street blankets, 6 roller towels, 5 bath towels, 1 toilet comb and brush, 2 door releases, 1 pipe wrench, 2 monkey wrenches, 2 soap dishes, 2 towel racks, 1 bunch matches, 2 hay forks, 1 barn broom,

1 box silver dust, 6 rugs, 27 feet floor matting, 6 cane chairs, 1 work bench, 1 gas lighter, 2 whips, 2 quarts cylinder oil, ½ gallon machine oil, 4 charges for hand extinguisher, two coal hods, 2 mops, 4 rocking chairs, 1 dust pan, 1 oil stone, 1 wood plane, 1 2-foot steel square, 1 bench vise, 1 bench dog, 7 tower ropes and pulleys, 60 yards carpet, 1 crow bar, 1 pick axe, 1 garden rake, one 2-quart measure, five window screens, 1 drip pan, 2 sheep skin dusters, 1 pair dividers, one running board, 1 box stall, 2 cakes toilet soap, 1 load kindling wood, 4 bath sponges, 1 horse sponge, 50 feet ⅝-inch rope, 5 pairs rubber mittens, 1 Welsbach burner, 1 wash basin, one dozen 2½-inch rubber gaskets, 2 chamois skins, 1 hydrant gate, 2 hydrant wrenches, 100 pounds bran, 1 whisk broom, 16 gas jets, 1 manure can, 1 calk wrench, 1 horse boot, two horse muzzles, 1 box axle grease, 1 quart floor polish, ½ gallon disinfectant, 2 extra headstalls, 1 mop pail, five arm chairs, 2 common chairs, 3 rubber covers, 2 ⅜ taps.

STATION NO. 4.

HOOK AND LADDER, LOCATED ON MAIN SEREET, CITY HALL BUILDING.

With this company is a hook and ladder truck, built over by Alex. Crosby, placed in service February 15, 1895. It is drawn by two horses from the livery stable.

ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
2	E. R. Brew,	Captain,	182 Main St.	28	Mar. 21, 1895

At this station there are 5 call men.

INVENTORY STATION NO. 4. HOOK AND LADDER.

One hook and ladder truck, 1 65-foot Bangor ladder extension, 1 50-foot Somerville ladder extension, 1 45-foot Somerville ladder extension, 1 35-foot Somerville ladder extension, 2 24-foot ladders, 1-18-foot ladder, 1 14-foot ladder, 2 15-foot roof ladders, 2 14-foot roof ladders, 1 58-foot spliced ladder, old, 1 33-foot spliced ladder, old, 1 30-foot ladder, old, 1 21-foot ladder, old, 1 15-foot ladder, old, 2 large hooks with chain and rope, 1 small hook with chain and rope, 3 axes, 2 iron bars, 1 insulated wire cutter, 1 tin roof cutter, 1 plaster hook, 5 pairs rubber boots, 1 rubber hat, 12 pike poles. 8 ladder braces, 2 forks, 3 ladder chains, 1 monkey wrench, 2 lanterns, 5 rubber coats, 100 feet guy rope, 1 whip, 3 cuspidors, 1 coal stove with pipe, 1 small shovel, 1 indicator, 1 matchless gas burner, 1 sprinkling can, 1 iron jack, 1 mop, 1 broom, 1 tin pail, 1 dust pan, 1 chamois skin, 1 bar soap, 1 sponge, 1 dust broom, 1 coal hod, 1 small brass lock, 1 set double harness part new, 300 feet of ⅝ in. manila rope, 1 snowshovel, 2 rubber covers.

FIRES AND LOSSES FOR 1900.

Date.	Hour.	Box.	Location.	Owner.	Property.	Estimated Value of.	Estimated Loss.	Insurance Paid.	Origin.	Remarks.
Jan 25	10.59 a.m	41	St. Paul St.,	Roman Cath. Diocese	School house,	$ 15,000 00	$ 86 15	$ 86 15	Lighted candle,	Hand Ext.
26	7.00 p.m	47	Bank St.,	F. X. Mercier,	Dwelling,	.....	No loss,	.....	Chimney,	" "
Feb 10	1.05 p.m	24	Elmwood Ave.,	Mrs. Phil. Lamoth,	"	.....	65 00	65 00	Matches,	" "
12	8.27 p.m	29	No. Union St.,	M. V. B. Weeks,	"	1,200 00	12 00	12 00	Overturned lamp	" "
14	8.32 p.m	29	Booth St.,	A. C. Smith,	"	.....	No loss,	.....	Overheat'd stove	Not needed.
20	1.20 p.m	*	No. Champlain,	Mrs. Bridget Moore,	"	1,000 00	18 33	18 33	Child, matches,	Chem. Eng.
23	12.45 a.m	44	College St.,	P. H. Flynn,	Printing office,	16,000 00	5,633 25	5,307 16	Unknown,	Chem&wat'r
Mar 12	7.05 p.m	*	Cherry & Win Av	Ira Russell,	Dwelling,	3,200 00	29 85	29 85	"	Chem. Eng.
16	7.28 a.m	48	College St.,	Edw. Bradley,	"	.....	No loss,	.....	"	" "
Apr 14	11.40 a.m	41	Church St.,	Mrs. A. Barrows,	Block,	12,000 00	134 83	116 57	Spontane's Com.	" "
15	1.30 p.m	*	Front St.,	Jerry McCarty,	Dwelling,	.....	No loss,	.....	Chimney,	Hand Ext.
16	1.48 a.m	45	Foot of King St.,	Burlington Gro. Co.,	Storehouse,	140,545 54	137,401 36	42,276 40	Unknown,	Water.
18	9.35 p.m	*	College St.,	Free Press Asso.,	Printing office,	.....	No loss,	.....	False alarm,	....
21	2.05 p.m	*	Elm St.,	H. C. Gilbert,	Dwelling,	.....	"	.....	Fire place,	Chem. Eng.
21	3.00 p.m	*	Park Ave.,	Dr. W. S. Webb,	Fence and grass.	.....	"	.....	Sparks, locomo.,	Water.
23	10.08 p.m	41	Church St.,	Home Destitute Chil.	Opera House Blk	100,000 00	47,904 03	32,544 67	Unknown,	Chem&wat'r
26	3.30 p.m	*	College St.,	P. H. Flynn,	Bbls. waste paper	.....	No loss,	.....	Boys, matches,	.....
26	4.30 p.m	*	Smith's Lane,	C. P. Smith,	Dwelling,	1,000 00	63 50	63 50	" "	Chem. Eng.
May 1	12.20 a.m	*	Winooski Road,	A. Graves,	Barn,	.....	5 00	5 00	Unknown,	†
17	12.03 a.m	43	Church St.,	O. C. Stacy,	Livery stable,	3,000 00	921 65	921 65	"	Water.
18	12.07 a.m	45	So. Champlain,	Julia A. Stone,	Barn,	.....	No loss,	No Ins.	Incendiary,	Chem. Eng.
30	1.05 p.m	45	C. Vt. R. R.,	W. H. Englesby,	Boat house,	1,000 00	287 40	287 40	Unknown,	Water.
Jun 18	6.28 p.m	52	So. Battery St.,	H. S. Cole,	Wood shed,	1,500 00	725 00	725 00	Steam boiler,	"
18	9.00 p.m	*	Pine St.,	H. Hickok Co.,	Box shop,	....	No loss,	.....	Sawdust,	"
27	6.00 p.m	*	No. Prospect St.,	A. J. Willard,	Dwelling,	....	"	....	Fire place,	Hand Ext.

FIRES AND LOSSES FOR 1900.—Continued.

Date.	Hour.	Box.	Location.	Owner.	Property.	Estimated Value of.	Estimated Loss.	Insurance Paid.	Origin.	Remarks.
July 6	1.07 a.m	23	North St.,	Phillip Geroux,	Dwelling,	$ 1,800 00	$ 202 52	$ 202 52	Oil stove,	Chem. Eng.
12	2.30 a.m	45	Main St.,	W. J. Van Patten,	Shops,	185,692 80	41,621 50	33,710 95	Incendiary,	Water.
29	1.19 a.m	52	So. Battery St.,	Mrs. H. Connoly,	Shed,	.....	No loss,	.....	"	Chem. Eng.
Aug. 7	10.10 p.m	*	Pearl St.,	Dr. W. B. Lund,	Dwelling,	.....	"	.....	Chimney,	Hand Ext.
9	8.10 p.m	23	North St.,	Mrs. Lucy Kirby,	Barn,	300 00	100 00	100 00	Matches,	Water.
13	4.37 p.m	53	Pine St.,	Bur. Ven. Blind Co.,	Shop,	.....	No loss,	.....	Boiler,	Chem. Eng.
19	12.20 p.m	45	Main St.,	Shepard & Morse Co.	Lumber yard,	.....	"	.....	Incendiary,	Water.
25	7.30 p.m	26	Elmwood Ave.,	F. H. Crandall,	Dwelling,	.....	"	.....	Electric wires,	.....
27	2.50 p.m	27	N. Winooski Av.	Issac Perelman,	Store,	.....	"	.....	Oil stove,	Hand Ext.
Sep 19	8.50 a.m	*	Pearl St.,	Horace J. Brooks,	Brush heap,	.....	"	.....	Unknown,	Chem. Eng.
21	12.20 p.m	22	No. Willard St.,	Joseph Lozo,	Dwelling,	.....	"	.....	Gasolene,	" "
Oct. 5	5.14 p.m	42	Pearl St.,	Davis Berkman,	Lunch cart,	.....	.....	No Ins.	Gosolene stove,	" "
12	9.40 p.m	*	College St.,	T. S. Peck,	Dwelling,	.....	No loss,	.....	Gas jet,	Not needed.
18	5.32 p.m	53	St. Paul St.,	Bur. Cotton Mills Co.	"	3,000 00	13 99	13 99	Lamp explosion,	Hand Ext.
26	7.35 p.m	52	Foot Maple St.,	E. Lyman Coal Co.,	Dock,	.....	.....	.....	Brush heap,	Water.
30	10.30 p.m	52	So. Champlain,	J. W. Hayes Estate,	Barn,	.....	.....	No Ins.	Unknown,	"
31	2.20 p.m	*	North Ave.,	Dr. J. M. Clarke,	Brush,	.....	.....	.....	Sparks locomo.,	Not needed.
Nov 21	7.40 p.m	*	North Ave.,	M. McKenzie,	Dwelling,	.....	No loss,	.....	Chimney,	Hand Ext.
21	10.25 p.m	52	So. Battery St.,	J. A. Clay,	"	.....	.....	.....	Overturn'd stove	.....
21	7.20 p.m	*	Call to Winooski	Porter Screen Mfg. Co	Shops,	.....	.....	.....	.....	Steam'r went
Dec 10	8.35 a.m	32	North St.,	City of Burlington,	School house,	25,000 00	159 82	77 15	Smoke pipe,	Chem. Eng.
25	11.32 a.m	41	College St.,	Estate Ellen C. Allen	Block and stock,	16,500 00	9,948 16	6,317 19	Waste paper,	Chem&wat'r
						$527,738 34	$245,333 34	$122,880 48		

* Still alarm.

† Unable to reach fire.

REPORT

OF THE

ADVISORY BOARD

ON PERMANENT STREET IMPROVEMENTS.

To the Honorable, the City Council:

GENTLEMEN:—The Advisory Board of the fund for permanent street improvements submits the following report as to the fund and its disposition during the past year. Also a recapitulation of the work done in expenditure of the permanent fund from the beginning.

RECEIPTS.

Balance on hand Janury 1, 1900	$1,000
Sale of crusher plants	2,000
	$3,000

DISBURSEMENTS.

Brick pavement on Pearl street, Church to Winooski ave	$3,000

The following statement is a resume of the expenditure of the fund from May 7, 1894, when it was voted by the City, and what has been accomplished each year since that date.

	1894.			
Champlain St.,	26	feet wide,	631	feet in length.
North St.,	25	" "	939	" " "
Pearl St.,	31	" "	1,667	" " "
St. Paul St.,	18	" "	894	" " "
	Total,		4,131	feet.
	1895.			
South Battery St.,	36	feet wide,	1,197	feet in length.
North Champlain St.,	31	" "	909	" " "
North St.,	24	" "	580	" " "
Church St.,	31	" "	363	" " "
St. Paul St.,	18	" "	850	" " "
Winooski Road,	18	" "	1,100	" " "
	Total,		4,999	feet.
	1896.			
Winooski Road,	18	feet wide,	4,900	feet in length.
St. Paul St.,	18	" "	2,960	" " "
Bank St.,	31	" "	345	" " "
Pine St., ½,	26	" "	1,148	" " "
⅔,	31	" "		
Elmwood Ave.,	31	" "	1,586	" " "
	Total,		10,939	
	1897.			
College St., concrete,	35	feet wide,	344	feet in length.
Cherry St., macadam,	25½	" "	762	" " "
Interval Ave., "	25½	" "	1,478	" " "
	18	" "	706	" " "
Main St., "	37½	" "	450	" " "
	45	" "	1,253	" " "
St. Paul St., "	25½	" "	906	" " "
Willard St., "	30½	" "	1,118	" " "
Winooski Ave., "	25½	" "	1,255	" " "
	Total,		8,272	" " "

1898.

Church St., Brick,	35	feet wide,		798	feet in length.		
Champlain St., macadam,	25½	"	"	1,627	"	"	"
First St., "	18	"	"	1,060	"	"	"
King St., "	30½	"	"	355	"	"	"
North St., "	24½	"	"	1,201	"	"	"
St. Paul St., "	47	"	"	420	"	"	"
Union St., telford,	21½	"	"	805	"	"	"
"	21½	"	"	350	"	"	"
macadam,	25½	"	"	293	"	"	"
telford,	25½	"	"	198	"	"	"
Winooski Ave, telford,	35½	"	"	685	"	"	"
Total,				7,792	"	"	"
St. Paul St., resurfaced,	35	feet wide,		404	feet in length.		
Champlain St., gravel,	25.6	"	"	744	"	"	"
Total,				1,148	feet.		

1899.

Pine St., macadam,	18	feet wide,	1,909	feet in length.
Total,			1,909	feet.

1900.

Pearl St., brick,	40	feet wide,	332.5	feet in length.
Total,			332.5	feet.
Grand total,			39,522.5	feet.

RECAPITULATION.

1894—	4,131	feet.
1895—	4,999	"
1896—	10,939	"
1897—	8,272	"
1898—	7,792	"
1898—	404	" redressed.
1898—	744	" gravelled.
1899—	1,909	"
1900—	332.5	"
Total,	39,522.5	feet.

STATEMENT OF COST.

Year.	Improvement.	Location.	Length Feet.	Yards.	Width of Roadway. Feet.	Cost per square yard.
1894	Macadam, 8 in.	Pearl St.,	1,667	5,742	31	$ .72
"	" 8 "	Champlain St.	631	1,823	26	.74
1895	" 8 "	"	909	3,131	31	.74
1898	" 8 "	"	1,627	4,610	25.5	.63
"	Gravel, 8 "	"	744	2,108	25.5	.28
1894	Macadam, 8 "	North St.,	939	2,608	25	.67
1895	" 8 "	"	580	1,547	24	.67
1898	" 8 "	"	1,201	3,270	24.5	.67
1894	Telford, 12 "	St. Paul St.,	894	1,788	18	1.01
1895	" 12 "	"	850	1,700	18	1.01
1896	" 12 "	"	2,960	5,920	18	1.01
1897	Macadam, 8 "	"	906	2,567	25.5	.62
1898	" 8 "	"	420	2,193	47	.66
"	Resurfaced.	"	404	1,571	35	.30
1895	Macadam, 8 "	So. Battery St.	1,197	4,788	36	.87
"	Telford, 12 "	Church St.,	363	1,250	31	1.05
"	" 12 "	N. Winoos. Av.	1,100	2,200	18	1.10
1896	Tel. & Macad. 12&8 "	"	4,900	9,800	18	1.10
1897	Macadam, 8 in.	S. Winoos. Av.	1,255	3,558	25.5	.56
1898	" 8 "	N. Winoos. Av.	685	2,280	35.5	.59
1896	" 8 "	Bank St.,	345	1,188	31	.63
"	" 8 "	Pine St.,	1,148	3,742	26 and 31	.55
1899	" 8 "	"	1,909	3,818	18	.69
1896	" 8 "	Elmwood Av.,	1,586	5,463	31	.69
1897	Concrete and brick.	College St.,	344	1,398	35	2.01
"	Macadam, 8 in.	Cherry St.,	762	2,159	25.5	.54
"	" 8 "	Interval Ave.,	1,478	4,187	25.5	.63
"	" 8 "	"	706	1,412	18	.63
"	" 8 "	Main St.,	1,703	8,140	37.5 and 45	.50
"	" 8 "	S. Willard St.,	1,118	3,789	30.5	.60
1898	" 8 "	First St.,	1,060	2,120	18	.75
"	" 8 "	King St.,	355	1,203	30.5	1.01
"	" 8 "	So. Union St.,	1,098	2,756	21.5 and 25.5	.82
"	Telford, 12 "	"	548	1,286	21.5 and 25.5	.82
"	Brick.	Church St.,	798	3,103	35	1.93
1900	"	Pearl St.,	332.5	1,478	40	2.02

The sum of $100,000 which the city borrowed and for which it has issued its bonds, has thus been wholly expended for substantial Macadam, Telford and brick roadway. The saving in repairs we think will justify the wisdom of the original outlay, without reference to the public comfort and convenience, in the use of good roads. The excellent condition of our improved highways is a matter of comment by all visiting strangers, and reflects credit upon the good judgment and enterprise of our citizens.

Respectfully submitted,

W. J. VAN PATTEN,
C. P. SMITH,
ROBERT ROBERTS, *ex-officio*, } Advisory Board.

Burlington, Vt., Feb. 1, 1900.

REPORT

OF THE

Board of Street Commissioners.

To the Honorable, the City Council:

GENTLEMEN :—The Board of Street Commissioners of the City of Burlington submit to your honorable body their Tenth Annual Report, for the year ending December 31st, 1900.

The following figures will show the amount expended by us in the various departments during the year, viz.:

Street Department	$ 42,506 72
Permanent Improvement Fund	3,000 00
Sewer Department	1,312 20
Electric Light Department	13,440 00
Making a total of	$60,258 92

STREET DEPARTMENT.

For use in this department we have received from the City Treasurer the following several amounts :

Balance on hand January 1, 1900, $23.47 ; from the highway tax, $26,459.75 ; State highway tax, re-apportionment for 1899 and 1900. $646.38 ; which makes the total amount for our use during the year, $27,129.60.

There has been paid into the city treasury for curbing, sidewalk and sprinkling assessments $10,731.19, and for work done for other departments of the city, including the sale of crushed stone, collected by the Superintendent of Streets, $4,666.68, which amount having been used by this department the second time, makes the total amount received by this department $42,527.47. Of this sum there has been expended by our Superintendent of Streets during the year, as shown by his report, $42,506.72, leaving an unexpended balance on hand January 1, 1901, of $20.75.

PERMANENT IMPROVEMENT FUND.

In this department we had on hand January 1, 1900, a balance of $1,000.00 and from the sale of crusher plant to the Street Department $2,000.00, making a total of $3,000.00, which amount has been expended in brick pavement on Pearl street, under the direction of the Advisory Board.

SEWER DEPARTMENT.

The amount appropriated by the City Conncil and placed to our credit by the City Treasurer for sewer purposes was $500.00 and there was assessed against the abutting property for work done, as ordered by the City Council and paid into the City Treasury, $835.21, making a total of $1,335.21. We have expended during the year $1,312.20, leaving a balance on hand, January 1, 1901, of $23.01.

ELECTRIC LIGHTS.

The amount appropriated by the City Council for electric lights for the year 1900 was $13,440.00 and the cost of the same for the year was $13,164.61, leaving an unexpended balance of $275.39.

We now have 172 lights to which should be added a small light in Mechanics Lane, for which the city pays $10.00, which will make the total cost for lights for the year 1901, $13,770 00.

For an itemized statement of the amount spent in the above mentioned departments and for what purpose it has been expended, we refer you to the report of our Superintendent of Streets.

For the uniform courtesy shown us by your honorable board, and your hearty co-operation in our work, we tender you our sincere thanks.

Respectfully submitted,

N. K. BROWN,
J. B. HENDERSON,
FRANK S. LANOU,
} Street Commissioners.

REPORT

OF THE

Superintendent of Streets.

To the Honorable Board of Street Commissioners of the City of Burlington:

GENTLEMEN:—I have the honor to present herewith my report for the period, January 1st, 1900, to December 31st, 1900, inclusive:

SEWER DEPARTMENT.

RECEIPTS.

Appropriation	$500 00	
Collections, sewer assessments	835 21	
		$1,335 21

DISBURSEMENTS.

Amount drawn from City Treasurer	$1,312 20	
On hand December 31, 1900	23 01	
		$1,335 21

The disbursements were as follows:

SEWERS.

Bank street	$ 51 40	
Bright street	346 72	
Drew street	179 80	
Monroe street	72 43	
Union street	244 98	
		$895 33

MISCELLANEOUS.

General repairs, sewers	$198 80	
Tools, stock and tile	218 07	
		$416 87
		$1,312 20
Cash on hand	$23 01	

STREET DEPARTMENT.

RECEIPTS.

Balance January 1. 1900	$ 23 47	
Highway tax	26,459 75	
Assessments, street and sprinkling	10,731 19	
Collections, paid City Treasurer	4,666 68	
City team earning (ledger item)	3,235 80	
State highway tax, 1899, 1900—reapportionment	646 38	
		$45,763 27

DISBURSEMENTS.

Drawn from City Treasurer	$42,506 72	
City team earnings (ledger item)	3,235 80	
		$46,742 52
Balance January 1, 1900		$ 20 75

The disbursements were as follows:

STREETS.

Archibald street	$ 47 25
Buell street	5 50
Bank street	149 85

Battery street	$19 50	
College street	22 40	
Colchester Ave	4 80	
Drew street	29 80	
East Ave	38 05	
Elm street	20 05	
George street	33 05	
Hayward street	83 87	
Howard street	6 90	
Interval road	7 80	
Ledge road	41 00	
Lake street	29 30	
Mansfield Ave	463 14	
Main street	361 95	
Marble ave	23 85	
Maple street	806 01	
North avenue	247 18	
North street	51 97	
Pine street	781 74	
Park avenue	23 24	
Prospect street	177 45	
Pearl street	22 36	
Peru street	13 20	
Spear street	18 53	
Shelburne street	514 28	
St. Paul street	22 40	
Summit street	29 43	
Union street	1,395 71	
Willard street	97 70	
Williston road	48 40	
		$5,637 66

GRAVELLING.

Bank street	$135 40	
Brookes avenue	139 25	
Cherry street	124 45	
Howard street	123 30	
North street	145 95	
Pine street	131 35	
Prospect street	225 80	
Willard street	39 45	
		$1,064 95

CURBING.

Bank street	$ 35 13	
Battery street	1,251 19	
Mansfield avenue	1,234 27	
Pearl street	4 40	
Prospect street	14 64	
Willard street	499 06	
Winooski avenue	40 64	
		$3,079 33

PAVING GUTTERS.

Bank street	$ 84 33	
Battery street	190 81	
Mansfield avenue	336 36	
Willard street	195 40	
		$806 90

SIDEWALKS.

Bank street	$ 44 25
Battery street	66 55
Mansfield avenue	748 44

North street	$105 24	
Prospect street	65 26	
St. Paul street	255 81	
Willard street	275 51	
Williams street	6 50	
		$1,567 56

BASINS.

Battery street	$ 23 85	
Battery and Bank streets	122 65	
Battery and Cherry streets	93 68	
Champlain street	6 70	
Champlain and Bank streets	8 25	
Champlain and College streets	11 25	
Drew street	14 52	
Monroe street	4 20	
Main street	18 12	
North and Pitkin streets	44 87	
Pine street	19 85	
Union street	20 40	
Winooski avenue and Hyde streets	88 93	
Willard street	37 18	
Willard street near Charles street	4 35	
		$518 80

MACADAMIZING.

Battery street	$2,606 99

BRICK PAVEMENT.

Pearl street	$1,111 50

MISCELLANEOUS.

Bridge, Winooski	$ 66 74	
Bridge, Heineberg	157 52	
City team account	2,920 28	
Cleaning basins	293 29	
" streets	3,222 46	
Crossings	6 75	
General repairs	3,836 73	
" " curbing	35 88	
" " flagging	50 55	
" " walks	587 03	
Health department	401 39	
Insurance	137 92	
Repairing tools	174 64	
Office expenses	260 90	
Salary, City Engineer	500 00	
" Clerk	624 00	
" Street Commissioners	350 00	
" Superintendent	1,000 00	
Snow	2,347 87	
Sprinkling	6,610 81	
Steam roller	157 52	
Tools and stock	2,370 75	
		$26,113 03
		$42,506 72

PERMANENT IMPROVEMENT FUND.

Balance January 1, 1900	$1,000 00	
ale of crusher plant	2,000 00	
		$3,000 00

DISBURSEMENTS.

Brick pavement, Pearl street	3,000 00

We have examined the books and vouchers of the Street Department, and find them correct.

GEO. W. BECKWITH,
JOHN C. FARRAR, } Auditors.
THOMAS FAILEY,

The work of a permanent character done is as follows:

Bank street—Curbed, the gutters paved, 5 foot concrete sidewalks laid and the roadway gravelled from St. Paul street to Champlain street, and also curbed and the gutters paved from Champlain street to Battery street.

Battery street—Curbed, the gutters paved and an eight inch macadam roadway laid from College street to Pearl street.

Brookes avenue—The roadway gravelled from Prospect street westerly, a distance of 500 feet.

Cherry street—The roadway gravelled from Champlain street to Battery street.

Howard street—The roadway gravelled from Union street to Willard street.

Mansfield avenue—Curbed, the gutters paved and 5 foot concrete sidewalks laid from Colchester avenue to Loomis street.

Maple street—The roadway from St. Paul street to Battery street was resurfaced with crushed stone.

Pearl street—Curbing reset from Clarke street to Winooski avenue, widening the roadway 5 feet, and the road-

way paved with brick from Church street to Winooski avenue. The total cost was $4,133.86, of which the Permanent Fund furnished $3,000, it being the balance of the fund.

Pine street—Roadway from Howard street southerly, a distance of 1800 feet, resurfaced with crushed stone, and the roadway gravelled from Cherry street to Pearl street.

Prospect street—Roadway gravelled from Pearl street to Loomis street and a 5 foot concrete sidewalk laid on the west side from Main street to Maple street.

Shelburne street—Filling the ravine at the Englesby farm caused the most of the expense, and that was for labor, as the earth was generously donated by Mr. Henry Holt.

Union street—Roadway was repaired from Main street to Maple street, making it a first class macadam with 3 foot brick gutters. For a distance of two hundred feet north from Maple street, an experiment was made at a cost of thirty cents per square yard, by using tarred macadam, E. F. Moore doing the work. This is an entirely new feature here, but it is highly recommended by some of the larger cities, and the result will be watched with a good deal of interest.

Willard street—Curbed, the gutters paved and 5 foot concrete sidewalks laid from North street to Charles street. Also curbed, the gutter paved and a 5 foot concrete sidewalk laid on the east side from Pearl street to Loomis street.

But two crossings, both of stone, have been laid as follows:

One across Brookes avenue at Willard street.

One across Bradley place at Union street.

A concrete crossing in Union street at south side of Main street, was replaced with brick.

TABLE OF SEWERS CONSTRUCTED IN 1900.

Where Laid.	Description.	Length Feet.	Size In.	* M. H.	† L. H.	Assessed City.	Assessed Property.	Total Cost.
Bank street	Battery street, easterly	51.4	12	.....	.....	$51 40	.....	$ 51 40
Bradley place	Union street, easterly	319.6	8	.....	1	.....	.....	‡.....
Bright street	First street to Archibald street	565.1	8	.....	.....	3 50	$343 22	346 72
Central avenue	Wright avenue, southerly	350.	6	.....	1	.....	.....	‡.....
Drew street	Strong street to Ward street	261.2	10	1	.....	2 48	177 32	179 80
Henry street	Extended easterly	328.6	10	.....	1	.....	.....	‡.....
Monroe street	Johnson street, easterly	148.	8	.....	1	58	71 85	72 43
Union street	Winooski avenue, southerly	442.1	8	.....	2	2 16	242 82	244 98
Totals	.....	2,466.0	.....	.....	.....	$60 12	$835 21	$895 33

* Man holes. † Lamp holes. ‡ Property owners paid total cost.

The above sewers were constructed of Akron vitrified tile, circular in shape.

The following table shows the amount of curbing, paved gutters and concrete walks built in 1900 :

STREETS.	CURBING. FEET.	PAVING. FEET.	CONCRETE. FEET.
Bank street	1,376.38	1,376.38	687.4
Battery street	2,073.85	2,214.15	
Bradley Place	628.7	628.7	316.4
Mansfield avenue	2,088.46	2,088.46	1,946.55
North street			309.85
Prospect street	135.8	50.	759.
St. Paul street			721.
Willard street	1,540.80	1,540.80	1,888.95
Williams Street			200.7
Totals	7,843.99	7,998.34	6,829.85

AMOUNT OF CONCRETE LAID IN 1900.

WHERE LAID.	AMOUNT.		
Bank street	440.2	square	yds.
Bradley Place	140.6	"	"
Mansfield avenue	1,081.13	"	"
North street	175.41	"	"
Prospect street	421.5	"	"
St. Paul street	239.34	"	"
Willard street	1,056.43	"	"
Williams street	111.	"	"
Total	3,665.61	"	"

LIST OF TOOLS AND STOCK.

Eleven horses, 4 double wagons, 1 truck wagon, 1 express wagon, 5 dump carts, 1 single sleigh, 1 pair traverse sleighs, 3 pairs two horse sleds, 8 snow plows, 1 patent snow plow, 9 snow plow whiffletrees, 3 pairs eveners and whiffletrees, y neck yokes, 4 sets double harnesses, 4 cart harnesses, 1 single harness, 1 lap robe, 7 street blankets, 11 stable blankets, 11 summer blankets, 11 halters, 2 currycombs, 3 brushes, 3 pails, 2 pairs clippers, 2 pairs shears, 1 wagon jack, 1 rubber blanket, 7 sets rope tugs, 5 sets hames and tugs, 1 hay cutter, 2 hay forks, 2 manure forks, 4 tons rye straw and 2 tons of hay.

AT THE CITY MARKET. (Street Department.)

One steam roller, 11 street sprinkling carts, 1 street sweeper, 1 heavy horse road roller, 1 snow roller, 1 road machine, 1 wheel harrow, 2 two wheel scrapers, 1 pole scraper, 2 plows, 3 street hand carts, 1 Bagnal & Land diaphragm pump, 1 grindstone, 1 emery wheel, 1 work bench and vise, 1 iron vise, 1 set of chisels, 4 hand saws, 2 cross-cut saws, 1 limb cutter, 1 pair spurs, 2 dozen picks, 8 grub hoes, 3 axes, 2 trowels, 4 monkey wrenches, 3 iron wrenches, 2 hydrant wrenches, 1 marking stamp (iron), 4 scoop shovels, 4 short handle shovels, 8 long handle shovels, 1 long handle spade, 20 street hoes, 4 street brooms, 4 paving hammers, 4 stone hammers, 5 breaking hammers, 5 sledge hammers, 1 adze, 8 iron bars, 1 tamping bar, 100 feet ¾-inch rubber hose, 1 sewer rod, 4 well ropes, 1 pair hand trucks, 3 wheelbarrows, 1 wagon platform(for sewer pipe), 3 straight edges, 1 sprinkling pot, 8 street guards, 3 sets pulley blocks, ropes, etc., 1 set chain blocks, 1 sand screen, 1 wagon shoe, 4 small

iron clamps, 1 grass scythe and snath, 2 bush scythes and snaths, 2 planes, 3 nail hammers, 1 hatchet, 1 screw driver, 1 draw shave, 1 saw set, 1 belt punch, 2 mallets, 3 axe handles, 1 keyhole saw, 2 augers, 4 sponges, 3 levels, 6 water pails, 12 snow shovels, 4 chains, 5 iron rakes, 2 short ladders, 3 extension ladders, 1 step ladder, 2 dozen lanterns, 1 pair pliers, 1 pair snips, 1 try square, 4 pitching tools, 6 chisels, 50 pounds of nails, 200 square feet flagging, 175 feet crosswalk, 2 baskets and 6 paving bricks.

AT THE CRUSHER. (On Dock.)

1 boiler and engine, 1 Blake crusher, No. 4, 4 oilers, 9 wrenches, 2 pipe wrenches, 1 pipe cutter, 2 chains, 2 iron bars, 1 rake, 4 long handle shovels, 1 scoop shovel, 25 gallons of oil, 1 pail, 1 wheelbarrow, 70 tons crushed stone, 1 steam hoister, 1 derrick, 4 skids, 3 chains, 1 blacksmith bellows, 1 anvil and 1 vise.

AT THE CRUSHER. (Willard's Ledge.)

One boiler and engine, 1 Champion crusher and attachments, 1 chain, 4 shovels, 1 scoop shovel, 3 iron bars, 2 striking hammers, 1 nail hammer, 2 breaking hammers, 1 axe, 30 feet of drills, 6 picks, 1 iron rake, 1 hatchet, 2 wrenches, 5 gallons of oil, 2 lanterns, 1 steam drill and fittings, 1 screen.

OFFICE FURNITURE AND FIXTURES.

Superintendent's office—1 stove, 1 safe, 1 desk, 3 tables, 1 map of sewers, 1 city map, 7 chairs, 1 waste basket, 2 spittoons, 1 broom, 1 water tank, stationery, ink, etc.

City Engineer's office—1 stove, 2 tables, 1 drawing table, 1 desk, 4 chairs, 2 chests of drawers, 1 wall map-case with maps, 2 spittoons, 1 waste basket, 1 pair shears, stationery, ink, etc.

AT CITY DOCK. (Sewer Department.)

Sewer pipe—198 feet 12-in.; 514 feet 10-in.; Y's, 39 18-in.; 2 15-in.; 70 12-in; 47 10-in.; T's, 3 12-in; 17 10-in.; 9 6-in.; Traps, 3 12-in.; 7 10-in.; 4 8-in.; Reducers, 2 15-in. by 12-in.; Bends, 10 8-in.; 1,000 feet sewer plank.

Respectfully submitted,

HERALD STEVENS,

Superintendent.

REPORT

OF THE

CITY ENGINEER.

To the Honorable the City Council:

GENTLEMEN:—The annual report of the City Engineer for the year ending December 31, 1900, is herewith respectfully submitted.

As usual this report is brief, owing to the fact that the details of construction and costs are found in the reports of other departments.

The customary work of giving lines, grades and elevations for curbing, grading and sidewalks was given the street department upon the following named streets:

Bank street, 1376.38 feet of curbing and 687.4 feet of walk; Battery street, 2214.15 feet of curbing (including curb reset); Bradley Place, 628.7 feet of curbing and 316.4 feet of walk; Mansfield avenue, 2088.46 feet of curbing and 1946.55 feet of walk; North street, 309.85 feet of walk; Prospect street, 135.8 feet of curbing and 759 feet of walk; St. Paul street, 721 feet of walk (including flag replaced with concrete); Pearl street, 509.2 feet of curbing reset; Union street, 1531. feet of curbing reset; Willard street, 1540.8 feet of curbing and 1888.95 feet of walk; Williams street, 200.7 feet of walk. The total length of new curbing set during the year, 7843 99

feet, and the total length of new walk laid was 6539.1 feet, with a total area of 3665.61 square yards.

The measurements for curbing include returns for driveways and street intersections. After completion, the work was measured and assessment maps made, showing number of feet of curbing and square yards of walk to be assessed against each property owner abutting the above improvements.

Stakes were set giving grade for resurfacing 776 feet of macadam roadway on Maple street; 1100 feet of macadam roadway and 400 feet of gravel roadway on Pine street; 950 feet of gravel roadway on Prospect street; and 762 feet of macadam roadway on Union street. The necessary lines, grades and elevations were given for the paving of 470.25 feet on Pearl street with brick. The area paved, including the street intersections, was 2033.6 square yards.

The Street Department received 2512.53 cubic yards of rubble from Isle La Motte, and 978.6 cubic yards of Cold Spring gravel from West Haven. Other stone used upon the streets was taken from Willard's Ledge, of which no record was kept in this office.

The customary work for the sewer department consisted in giving the necessary lines, grades and elevations for the construction of sewers in the following named streets:

Bank street 51.4 feet; Bradley Place 319.6; Bright street 565.1 feet; Central avenue 350 feet; Drew street 261.2 feet; Henry street 328.6 feet; Monroe street 148 feet; Union street 442.1 feet: making a total of 2466 feet.

After completion of the work, measurements were taken and maps and plans made, showing owner's names and the number of feet frontage of the abutting property; these maps and plans were used in making out the assessments.

Maps were also made which gave not only the frontages but the connections, openings, direction of flow, etc., which are preserved for future reference.

For the water department, lines, grades and elevations have been given on the following named streets :

Bank street, Battery street, East avenue and Wright avenue.

Street lines or grades or both have been given to applicants who intend to build or otherwise improve their property. The following streets, Buell, Green, Hayward, and Maple, and Marble avenue were renumbered and the correct numbers given for each door. Correct numbers were given all who applied for them.

The following is a tabulated statement of the work completed on the streets and sewers and is based upon previous reports of the City Engineer :

	1900 Feet.	Total Miles.
Length of road opened in the city	0000	55.449
Length of paved and macadamized roads .	1,200	17.399
Length of gravelled roads.....	3,094	16.669
Length of sidewalk curbed and flagged....		4.807
Length of sidewalk concreted, (previously curbed)	975.76	
Length of sidewalk curbed and concreted	4,409.64	21.938
Length of sidewalk curbed only	3,424.95	4.628
Length of sidewalk concreted only	1,144.4	1.998
Length of flag sidewalks replaced with cement.....		0.14

	1900.	Total.
Number of concrete crossings replaced with brick.....	6	
Number of concrete crossings...		80
Number of stone crossings replaced with brick p'v'g.....	2	

Number of stone crossings	2	145
Number of street catch basins	15	223
Number of sewer connections	75	
Number of sewer connections (since 1887)		1,303

LENGTH OF NEW SEWERS BUILT IN 1900.

6 inch vitrified pipe	350.0
8 inch vitrified pipe	1474.8
10 inch vitrified pipe	589.8
12 inch vitrified pipe	51.4
	2,466.0

TOTAL LENGTHS OF SEWERS.

Size.	Cement Pipe.	Brick.	Vitrified Pipe.	Stone.	Total.
6-inch			714.85 ft.		714.85 ft.
8-inch	365. ft.		10,475.03 ft.		10,840.03 ft.
10-inch			15,169.42 ft.		15,169.42 ft.
12-inch	9,273. ft.		51,225.23 ft.		60,498.23 ft.
15-inch		976. ft.	9,648.8 ft.		10,624.80 ft.
18-inch		1,788.2 ft.	8,407.25 ft.		12,908.65 ft.
20-inch			1,127.5 ft.		1,127.5 ft.
24-inch	360. ft.	1,748. ft.	1,207.5 ft.		3,315.5 ft.
30-inch		2,602. ft.			2,602. ft.
36-inch		5,079.9 ft.			5,079.9 ft.
36x48-in				1,600 ft.	1,600. ft.
48-inch		1,047.5 ft.			1,047.5 ft.
60-inch		125. ft.			125. ft.
72-inch		600. ft.			600. ft.
Totals	12,711.2 ft.	13,966.6 ft.	97,975.58 ft.	1,600 ft.	126,253.38 ft.

Equal to 23.911 miles.

Respectfully submitted,

H. M, McINTOSH,

City Engineer.

REPORT

OF THE

Overseer of the Poor.

To the Honorable the City Council:

GENTLEMEN:—Herewith I present for your consideration the following report, showing the receipts and expenditures of the Poor Department from January 1, 1900, to December 31, 1900, inclusive:

RECEIPTS.

Cash on hand January 1, 1900	$ 74 81	
Cash from L. C. Grant, Treasurer	8,952 25	
Cash from Town of Milton	12 00	
Cash, sale of farm produce	457 13	
Cash from other sources	3 45	
		$9,499 64

DISBURSEMENTS.

For aid outside almshouse:	
Provisions	$3,659 33
Coal	983 45
Wood	479 00
Burials	335 75
Insane	101 41
Ambulance, livery, etc	12 20
Tickets	59 04

Medicine on order City Physician	$722 89	
Clothing and shoes	15 65	
Tramps	20 60	
Sisters of Charity, St. Joseph's	196 50	
Fanny Allen Hospital	126 85	
Sarah St. John	52 00	
C. J. Ferguson, guardian	44 00	
Thomas Reeves, sheriff, jail account	97 50	
Home for Friendless Women	20 00	
Total		$6,926 17

FARM EXPENSES.

For Groceries and meat	$ 370 50
Flour	76 60
Crockery, etc	22 82
Dry goods, clothing and shoes	110 18
Repairs, lumber, paints, plumbing, etc	159 06
Coal and wood	200 91
Grain and seeds	78 95
New implements	72 87
Repairs, tools, etc	18 88
Horse shoeing and repairs	41 50
Medicine	25 80
Pasturing cattle	7 34
D. F. Cosgriff, bull	19 00
Cutting ice, etc	11 88
Taxes for 1900	36 80
Insurance, $4,175.00 for three years, expires December 7, 1902	125 25
Salary D. F. Cosgriff to February 1, 1900	33 33
Salary Chas. H. Harrington, 11 months	366 67
Total	$1,778 34

MISCELLANEOUS.

Office expenses, etc.		$27 07

SALARY ACCOUNT.

D. C. Barber, overseer	$568 06	
J. E. La Rocque, M. D., to April 25	63 33	
W. J. Labell, M. D	136 67	
		$768 06

RECAPITULATION.

Receipts		$9,499 64

DISBURSEMENTS.

For aid outside almshouse	$6,926 17	
Farm expenses	1,778 34	
Miscellaneous	27 07	
Salaries	768 06	
		$9,499 64

Appropriation	$8,000 00	
From all other sources	547 39	
Overdraft	952 26	
Total expenditures		$9,499 64

We, the undersigned, have examined the accounts and vouchers of D. C. Barber, Overseer of the Poor, for the year 1900, and find them correct.

GEORGE W. BECKWITH,
JOHN C. FARRAR,
THOMAS FAILEY,
} Auditors.

INMATES AT THE ALMS-HOUSE DECEMBER 31, 1900.

Name.	Age.	Nativity.	Cause.	Time.		
				Yrs.	Mos.	Days.
Annie Muldoon	68	Ireland,	Insane,	19	0	8
Mary Wall	54	"	"	15	7	24
Daniel Hicks	36	Vermont,	"	13	7	4
Frances Metcalf	65	"	"	8	6	0
John Clure	78	"	Destitute,	5	4	0
John Hilderbrand	46	Germany,	Insane,	4	9	25
Maria J. Walton	68	Ireland,	Destitute,	4	7	0
Virginia Myers	70	Canada,	"	3	11	9
Joseph Belair	67	"	"	3	4	23
Mrs. E. Culthbert	74	"	"	2	5	20
James McGrath	70	Ireland,	"		5	18
Patrick Hoban	68	"	"		5	12
Henry Painter	24	England,	"		5	
Dennis W. Hayes	75	Ireland,	"		3	5

INMATES ADMITTED AND DISCHARGED DURING THE YEAR.

Name.	Admitted.	Discharged.	Time.
Emily Leclair	Jan. 1	Sept. 25	8 mos. 25 dys.
Edw. F. Johnson	Jan. 11	Jan. 20	9 "
Ella Brown	March 4	March 26	22 "
Oliver Bessey	May 20	June 16	27 "
John Quilligan	Aug. 8	Oct. 11	2 " 4 "

INVENTORY OF FARM, DECEMBER 31, 1900.

LIVE STOCK.

Two horses, 10 cows, 3 two-year old heifers, 1 three-year old bull, 1 one-year old bull, 1 hog, 7 shoats, 41 hens.

PRODUCE.

Seventy bushels potatoes, 75 bushels oats, 300 bushels corn—ear, 8 bushels beans, 25 bushels turnips, 10 bushels beets, 35 tons hay, 9 ½ tons straw, 75 pounds squash, 2 bushels onions, 75 cabbages, 27 pounds butter, 400 pounds pork, 75 pounds sausage, 100 pork ribs.

SUPPLIES.

Twenty pounds tea, 8 pounds coffee, 30 pounds sugar, 1 ½ barrels flour, 35 cakes soap, 12 tons coal.

For items of wagons, sleighs, harness and farm implements and household goods, reference may be had to inventory on file in office of overseer.

D. C. BARBER,
Overseer of the Poor.

REPORT

OF THE

CITY ATTORNEY.

To the Honorable the City Council:

Since my last report, but one suit has been instituted against the city. This is a bill in Chancery brought by Mr. Loomis J. Smith to enjoin the city from the collection of certain assessments for street improvements and is returnable at the approaching term of our County Court.

The case of John J. Brothers against the City, which was pending a year ago, was heard before Hon. M. A. Bingham, whose report was filed at the September term of the County Court, 1900. A hearing was had upon the report, but the Court as yet has handed down no decision.

The suit of the Rutland Railroad Company against H. E. Salls and that of R. S. Taft against the City are still pending. The only other cases in which the city is interested are the indictments against the Champlain Transportation Company and Shepard & Morse Lumber Company for obstructing King street and Main street, respectively. It is expected that one of these cases will be tried at the approaching term of the County Court.

Respectfully submitted,

D. J. FOSTER,

City Attorney.

Burlington, Vt. Jan. 12th, 1901.

REPORT

OF THE

CHIEF OF POLICE.

To the Honorable the City Council:

GENTLEMEN:—In compliance with law, I have the honor to submit my report of the Department of Police for the year ending December 31st, 1900.

The expense of the department has increased over that of the preceding year, by the addition of two patrolmen on the streets adjacent to the lumber mills and yards, and a special officer at Lakeside till midnight and on Sunday afternoons from June 1st to Sept. 15th. This extra police service has been provided in response to the earnest appeal of the lumber interests and the imperative demand of the insurance companies who have made the service a condition to the preservation of normal insurance rates.

The large number of special policemen required during the week of the street fair held during the month of August; also called for added expenditure, license fees collected reimbursed the City Treasury for the increased outlay, but not this department.

It is to the credit of the city, and a source of gratification to the department and particularly to me, that so good order

prevailed ; notwithstanding the large crowds in our city every day, that not a single arrest was made during the continuance of the fair.

During the year over nine hundred complaints have been made to the office, and investigated by the department. In but a small percentage of these cases has it been necessary to make arrests. While there have been several petty burglaries committed within the year, in most instances the perpetrators have been detected and punished ; although a few of the culprits are still at large, it is my belief the burglaries in every instance were the work of novices and home talent.

The records of the department show that during the year 1900, the whole number of arrests was 231 as against 326 in 1899, which if equally good order has prevailed is a record of which the city has reason to be proud ; for in the best governed communities, generally speaking, there are the fewest arrests. The arrests made are classified as follows :

ARRESTS MADE DURING 1900.

	Adultery.	Assault.	Blanket act.	Breach of peace.	Breaking windows.	Burglary.	Furnishing intoxicating liquor.	Grand larceny.	Incendiarism.	Intoxication.	Keeping house ill-fame.	Keeping intoxicating liquor.	Murder.	Obtaining property by false impersonation.	Obtaining goods by false token.	Obstructing sidewalk.	Perjury.	Petit larceny.	Procuring liquor under false pretenses.	Prostitution.	Rape.	Re-arrest for disclosure.	Receiving stolen goods.	Stealing ride R. R. train.	Stolen property search warrant for.	Truancy.	Vagrancy.	Total arrests.
January	...	...	1	2	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	5
February	...	...	...	1	...	...	2	...	2	3	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	10
March	...	...	...	5	...	...	1	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	12
April	...	...	...	5	...	...	4	2	...	12	...	...	...	...	...	...	1	4	1	...	1	...	...	...	...	...	1	31
May	...	...	...	4	...	...	1	...	...	8	1	...	...	...	...	...	1	1	...	...	...	1	1	...	...	2	...	20
June	...	...	...	2	...	1	...	3	...	8	...	1	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	17
July	...	...	...	2	1	2	4	3	...	20	...	...	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	36
August	1	1	...	2	...	1	3	3	...	8	...	...	...	...	...	1	...	3	...	...	...	...	...	1	...	2	...	26
September	...	...	...	5	...	1	3	1	...	3	...	...	1	1	...	...	...	8	...	...	...	1	...	...	...	1	...	25
October	...	...	...	3	...	1	2	1	...	4	...	...	...	...	...	...	...	2	...	...	...	...	...	...	1	...	...	14
November	...	...	...	4	...	...	...	...	...	3	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	3	12
December	...	...	...	11	...	...	2	1	...	5	...	...	...	...	1	...	...	1	...	...	...	2	...	...	...	...	...	23
	1	1	1	46	1	6	22	14	2	80	1	1	1	1	1	1	2	28	1	1	1	4	1	1	2	6	4	231

The above classification does not include arrests made by Sheriff Reeves and his Deputies or by the city constable.

The number of officers on the pay roll at the end of the year is eleven, assigned as follows:

Chief 1

P. J. Russell, day man at station 1

Milo C. Graton, John J. Brothers, Thomas Kelley, } Church street 3

Edward P. McElligott, South Battery and Champlain 1

Patrick J. Cosgrove, South Battery and Pearl 1

John Ryan, North and North Winooski Avenue 1

William Garrow, North street, West of Elmwood avenue and North avenue 1

SPECIAL OFFICERS.

Peter Lynch, Lake street, from foot of Bank to north end of Crane's lumber yard.

E. R. Coon, lower end of So. Champlain through Pine to mills of Buell & Burgess.

Amount appropriated to the Department $8.000 00

Pay roll of the Department 7,955 15

The Department has turned into the City Treasury officers' fees for service of warrants the sum of $1,236.33.

Other expenses of the Department will be found in the report of the City Treasurer.

From the appropriation above mentioned the sum of $1,019.96 was paid to the City Court and Justices of the Peace as costs in city cases. Said costs when collected and paid to the City Treasurer are transferred to the general fund.

The board of city prisoners at the county jail and other criminal expenses are charged to the appropriation for the police.

ROSTER OF REGULAR POLICE OFFICERS.

John J. Brothers.....	Commission	expires	April	25th,	1902
Milo C. Graton.....	"	"	"	"	1901
Patrick J. Russell.....	"	"	"	"	1902
John Ryan.....	"	"	"	"	1902
Thomas Kelley	"	"	"	"	1901
Patrick J. Cosgrove...	"	"	"	"	1903
William Garrow.....	"	"	"	"	1903
Edward P. McElligott.	"	"	"	"	1903

All of the above are all night men except Officer Russell.

The efficiency of the department requires an additional day man.

Under the present regulations the day officer is in attendance at the depot and steamboat landing on the arrival of all trains and boats, which takes the greater part of his time with no one to answer and investigate the numerous calls and complaints.

The office is kept open day and night so that a call on the department in person or by telephone may receive a ready response.

I beg leave to call the attention of the Board to that portion of my report of 1899 in relation to the present office accommodations of the department.

Although his Honor, the Mayor, is the head of the department, I shall at all times be glad to receive from any member of the Board any suggestions calculated to improve the efficiency of the force.

Respectfully submitted,

E. F. BROWNELL,

Chief of Police.

REPORT

OF THE

Clerk of the City Court,

FROM JANUARY 1st, 1900, TO JANUARY 1st, 1901.

To the Honorable the City Council:

GENTLEMEN:—The total number of prosecutions in which the fines and costs are payable into the City Treasury, heard and determined in the City Court during the year ending December 31st, 1900, was one hundred and sixteen against one hundred and forty-nine respondents, and the offenses are classified as follows:

Assault	2
Breach of the peace	51
Constructing wooden building within inner fire district	1
Embezzlement	1
Exhibiting obscene figure	1
Injury to property	1
Larceny	37
Obstructing sidewalk	1
Practising dentistry without a license	2
Prostitution	7
Receiving stolen property	1
Refusal to pay railroad fare	1
Refusal to support wife	2
Repairing buildings with wood within outer fire district without a license	2
Selling mortgaged property without consent of mortgagee	1
Truancy	3
Violation of oleomargarine law	2
	116

One hundred and two respondents were convicted, sixteen were acquitted, twenty-nine were discharged on *nolle prosequi*, and two, who were out of the Vermont Industrial School on parole, were returned into the custody of the Superintendent of the School.

Eighteen respondents were committed to the House of Correction and twenty-one to the Vermont Industrial School on either alternative or straight sentences. Three respondents were placed in charge of the Probation officer, sentence was suspended in one case during the good behavior of the respondent, seven respondents were put under bonds to keep the peace, and in one case the fine and costs were remitted by the Mayor, by and with the consent of the Board of Aldermen.

Total fees to be disbursed in cases reported.....	$822 83
Total fines and costs collected and paid into the City Treasury during the year.....	550 35
There are uncollected fines and costs in nine cases, not reported, in process of collection, amounting to the sum of.....	183 58

This last amount will soon be collected or the respondents will be committed.

On the 25th day of January the City Judge, the late Hon. J. W. Russell, was stricken with typhoid fever, his illness terminating in his death just a month from that date.

His successor, the Hon. E. W. J. Hawkins, took the oath of office as City Judge on the 5th day of March, and during the interim from January 25th to March 5th, there were no sessions of the City Court.

Any further information your Honorable Body may desire will be cheerfully furnished upon application at this office.

Respectfully submitted,

JOSEPH T. STEARNS,
Clerk City Court.

Burlington, Vt., January 15th, 1901.

REPORT

OF THE

Cemetery Commissioners.

To the Honorable the City Council, City of Burlington :

GENTLEMEN :—The Cemetery Commissioners respectfully submit the following report for the year ending December 31, 1900, viz :

LAKE VIEW CEMETERY.

RECEIPTS.

Balance on hand January 1, 1900	$ 17 98	
Sale of lots	949 31	
Care of lots	936 50	
Fitting of lots	614 50	
Opening and filling graves	352 00	
Flowers and beds	487 50	
Miscellaneous	97 00	
Rutland R. R. work grading	288 28	
Rutland R. R. damages	500 00	
From Green Mount Cemetery	290 00	
From Elmwood Cemetery	290 00	
Income from trust funds	496 09	
		$ 5,319 16

DISBURSEMENTS.

Services of Michael Collins as sexton in charge to December 31, 1900	$ 821 25	
Labor per time book	2,936 91	
Labor grading for Rutland R. R.	250 53	
Annual water rate to city	100 00	
Soil and fertilizers	313 61	
Hay, provender and blacksmithing	99 94	
Stationery and postage	10 95	
Seeds and bulbs, tools and supplies	285 95	
Coal	171 25	
Filling ice house	13 60	
R. S. Barstow, clerical work	50 00	
Telephone	32 00	
School tax, 2 years	30 00	
J. W. Goodell, stones and work	103 00	
Balance on hand January 1, 1901	100 17	
		$ 5,319 16

SALES OF LOTS.

Number of lots sold to December 31, 1899	878
Number of lots sold during 1900	20
Total number of lots sold to Dec. 31, 1900	898

INTERMENTS.

Total number of interments to Dec. 31, 1899	2,194
Number of original interments during 1900	93
Total number of interments to Dec. 31, 1900	2,287

GREEN MOUNT CEMETERY.

RECEIPTS.

Balance on hand January 1, 1900	$ 148 35	
Sale of lots	236 41	
Care of lots	213 50	
Fitting of lot	78 15	
Opening and filling graves	158 00	
Flowers and beds	19 25	
Rent of house	150 00	
Miscellaneous	13 50	
Income from trust funds	46 11	
		$ 1,063 27

DISBURSEMENTS.

Labor per time book	$ 638 15	
Lake View, on Collins' salary	200 00	
Lake View, for bulbs	40 00	
Flowers	50 00	
Tools, materials and sundries	23 01	
Water tax	24 00	
Soil and fertilizers	27 30	
R. S. Barstow, clerical work	25 00	
Balance on hand January 1, 1901	35 81	
		$ 1,063 27

Number of interments during 1900 26

ELMWOOD CEMETERY.

RECEIPTS.

Balance on hand January 1, 1900	$ 40 74	
Fitting and care of lots and opening and filling graves	96 67	
Sale of lots	10 00	
Income from trust funds	809 46	
		$ 956 87

DISBURSEMENTS.

Labor per time book	$ 435 14	
Lake View, on Collins' salary	200 00	
Lake View, for bulbs	40 00	
Flowers	50 00	
Tools, material, supplies and repairs	24 47	
Water tax	12 00	
Soil and fertilizers	22 70	
R. S. Barstow, clerical work	30 00	
Balance on hand January 1, 1901	142 56	
		$ 956 87

Number of interments during 1900 16

We, the undersigned, have examined the accounts and books of the Cemetery Commissioners for the year 1900 and find them correct.

GEO. W. BECKWITH,
JOHN C. FARRAR,
THOMAS FAILEY, } Auditors.

In presenting this report, the Cemetery Commissioners wish to express to the public their appreciation of the many kindnesses that have been shown to them.

We would call your attention to the fact that the Trust Funds have been increased during the past year, which is commendable, as it is most fitting that the care of one's lot be provided for perpetually. We commend a consideration of this matter to all lot owners.

The Green House at Lake View Cemetery is now taxed to its utmost capacity, and it has occurred to the Commissioners that the city might make an appropriation for an ad-

dition to the present house, thus enabling them to meet the growing demands for plants and flowers for the decoration of the lots, the increased revenue thus obtained enabling them to furnish plants to the city for the different parks at a nominal cost, and by so doing save quite an expense to the city, which in time would more than remunerate them for the outlay.

The Commissioners wish to extend to you their appreciation in the matter of water rates for the cemeteries the past year, and respectfully ask for a continuance of your kindness.

While the cemeteries have been and are at the present self-sustaining, if any of the fixed charges should be increased, it is a question if they would be in the future, as you will see by looking over the report for the past years. As the income to the cemeteries is materially the same from year to year, it would not be long before the extra expense would have to be met by an appropriation.

Trusting that you will think well of the suggestions and again thanking you for your kindness, we remain

Yours truly,

W. J. VAN PATTEN,
HOWARD CRANE,
CURTIS A. HIBBARD, } Cemetery Commissioners.

REPORT

OF THE

Trustee of United States Deposit Money.

For the year ending December 31, 1900.

Amount of U. S. Deposit Money.....$29,366 22

The above is loaned to the City of Burlington.

INCOME FROM ABOVE LOAN.

From City Treasurer, interest .....$ 1,761 97

DISBURSEMENTS.

Paid H. O. Wheeler, Superintendent of Schools..$ 1,761 97

Respectfully submitted,

L. C. GRANT,

Trustee U. S. Deposit Money.

We have examined the above account of the Treasurer of the United States Deposit Fund and find it correct.

GEO. W. BECKWITH,
JOHN C. FARRAR,
THOMAS FAILEY, } Auditors.

REPORT

OF THE

CITY TREASURER.

ON ACCOUNT OF

THE LAKE VIEW, ELMWOOD AND GREEN MOUNT CEMETERIES.

For the year ending December 31, 1900.

To the City Council of the City of Burlington:

GENTLEMEN:—I herewith hand you a statement of the receipts and disbursements on account of Lake View, Elmwood and Green Mount Cemeteries for the year ending December 31, 1900, together with a list of the Trust funds:

LAKE VIEW CEMETERY.

RECEIPTS.

Balance on hand January 1, 1900....	$ 17 98	
From Cemetery Commissioners.....	4,805 09	
From interest on Trust Funds.....	496 09	
		$ 5,319 16

DISBURSEMENTS.

Orders of Cemetery Commissioners..	$ 5,218 99	
Unexpended balance.....	100 17	
		$ 5,319 16

ELMWOOD CEMETERY.

RECEIPTS.

Balance on hand January 1, 1900....	40 74	
From Cemetery Commissioners.....	106 67	
From interest on trust funds.....	809 46	
		$ 956 87

DISBURSEMENTS.

Orders of Cemetery Commissioners..	814 31	
Unexpended balance.....	142 56	
		$ 956 87

GREEN MOUNT CEMETERY.

RECEIPTS.

Balance on hand January 1, 1900....	148 35	
From Cemetery Commissioners	868 81	
From interest on trust funds.....	46 11	
		$ 1,063 27

DISBURSEMENTS.

Orders of Cemetery Commissioners..	1,027 46	
Unexpended balance.....	35 81	
		$ 1,063 27

There are held by the Treasurer securities and investments made by the Cemetery Commissioners from Trust Funds as follows :

LAKE VIEW CEMETERY.

Carlos Baxter Fund	$ 1,250 00
Eli Chittenden Fund	50 00
E. W. Chase Fund	125 00
Harvey Burnett Fund	100 00
L. B. Englesby Fund	200 00
Hatch and Bennett Fund	100 00
George Barrows Fund	50 00
George J. Stannard Fund	100 00
Harriet A. Weaver Fund	100 00
F. M. Van Sicklen Fund	200 00
Jo D. Hatch Fund	250 00
John P. Howard Fund	3,000 00
Louisa H. Howard Fund	500 00
Hilas Roby Fund	500 00
Julius M. Noyes Fund	1,000 00
Marion Flagg Fund	200 00
Lucinda F. Barnes Fund	500 00
Charles R. Hayward Fund	500 00
Amos B. Jones Fund	50 00
Mrs. R. W. Smith Fund	100 00
Abbie L. Curtis Fund	150 00
Harriot M. Alger Fund	100 00
Emma Griffin Fund	100 00
Ellen M. Heineberg Fund	200 00
William J. Van Patten Fund	1,000 00
Sarah E. Carruth Fund	18 23
Noah Allen Fund	250 00
Lucia B. Peck Fund	100 00
William F. Armstead Fund	50 80
Hervey Spencer Fund	200 00

Caroline Van Namee Fund	$100 00	
Kate C. McLaren Fund	25 00	
E. A. Wilkins Fund	50 00	
Mattie Kelley Fund	100 00	
Homer M. Phelps Fund	100 00	
M. F. Wilkins Fund	50 00	
Ellen G. Booth Fund	35 00	
		$11,503 23

ELMWOOD CEMETERY.

John N. Pomeroy Fund	$14,965 00	
Celesta A. Seaver Fund	25 00	
Ann E. Munson Fund	25 00	
W. L. and A. G. Strong Fund	100 00	
Katherine F. Kendall Fund	25 00	
Jane E. Bailey Fund	25 00	
Mary P. Hollenbeck Fund	50 00	
Francis C. Mills Fund	50 00	
Henry Whitney Fund	100 00	
		$15,365 00

From accumulation of Trust Funds not required for present use ..... $ 1,500 00

GREEN MOUNT CEMETERY.

Ethan Allen et al Fund	$ 620 24
W. C. Whitman Fund	200 00
W. T. Herrick Fund	100 00
L. A. Dennison Fund	100 00
J. R. Forrest Fund	50 00
	$ 1,070 24

REPORT

OF THE

CITY TREASURER.

For the year ending December 31, 1900.

To the City Council of the City of Burlington:

GENTLEMEN:—I herewith present to you my report as City Treasurer from January 1st to December 31st, 1900, inclusive:

RECEIPTS.

Cash on hand January 1, 1900	$ 12,743 14	
Received from all sources	442,060 24	
		$454,803 38

DISBURSEMENTS.

Paid out on all accounts	$449,280 87	
Balance on hand December 31, 1900	5,512 51	
		$454,803 38

For the details of the above transactions I would respectfully refer you to the statements of the several departments hereto attached.

CRIMINAL AND POLICE DEPARTMENT.

RECEIPTS.

Appropriation	$8,000 00	
Police fees	1,236 33	
Overdraft to balance	814 94	
		$10,051 27

DISBURSEMENTS.

Pay rolls	$7,977 35	
Officers expenses	365 88	
Coal	6 00	
Uniforms	141 00	
Boarding prisoners at jail	118 48	
Supplies and printing	82 73	
Furniture	59 00	
Lights	105 48	
Telephone	107 61	
Repairs	48 66	
Costs, etc., City Court	951 86	
Costs, etc., Justice Court	68 10	
William Dunn, fees in State cases	19 12	
		$10,051 27

CRIMINAL COSTS AND FINES.

RECEIPTS.

J. W. Russell, judge city court	$ 43 37	
E. W. J. Hawkins, judge city court	506 98	
E. W. J. Hawkins, justice court	26 20	
G. W. Deberville, justice court	52 12	
		628 67

DISBURSEMENTS.

Transferred to general fund	628 67

FIRE DEPARTMENT.

RECEIPTS.

Appropriation	$13,500 00	
Old hose, copper, etc.	32 71	
One horse	40 00	
Overdraft to balance	1,191 58	
		14,764 29

DISBURSEMENTS.

Salaries regular force	8,621 48	
Salaries call force	1,524 42	
Feed for horses	942 27	
Shoeing horses	151 25	
Washing	89 30	
Use of bell St. Joseph's Church	120 00	
Coal	871 62	
1,000 feet hose	603 60	
Lights	206 09	
Water	63 62	
Horses for H. and L. Co.	138 00	
Telephone	48 00	
Fire Wardens	125 00	
Rubber boots	44 15	
Veterinary services	18 00	
One horse	200 00	
Collars and hangers	72 00	
Printing	31 10	
Supplies and incidentals	894 39	
		14,764 29

FLETCHER FREE LIBRARY.

RECEIPTS.

Appropriation	2,000 00	
Overdraft	344 13	
		2,344 13

DISBURSEMENTS.

Max L. Powell, insurance	33 00	
Orders of Finance Committee	2,311 13	
		2,344 13

HEALTH DEPARTMENT.

RECEIPTS.

Appropriation	$ 1,500 00	
Overdraft to balance	263 30	
		$1,763 30

DISBURSEMENTS.

H. R. Watkins, M. D., salary and fees	$ 732 37	
Registration fees	197 25	
Printing	58 80	
Labor	527 62	
Supplies	100 58	
Insurance	8 73	
Autopsy	60 95	
Quarantine expenses	77 00	
		$1,763 30

HIGH SCHOOL LOT AND BUILDING.

DISBURSEMENTS.

Warrants drawn to date	$ 122,940 52

INCIDENTAL DEPARTMENT.

RECEIPTS.

Appropriation	5,000 00

DISBURSEMENTS.

Lights	$ 134 13	
Supplies and postage	373 92	
Telephone	46 05	
Printing and advertising	1,127 44	
Auditors	201 00	
Election expenses	493 98	
C. Noyes legal services	300 00	
Assessors and assistants	1,112 65	
Building inspectors	150 00	
Damages from sewer	15 00	
Engineer's services	79 25	
Stannard Post G. A. R.	100 00	
W. L. Burnap, legal services	240 00	
Heating	30 00	
College Park	99 42	
Sundries	88 10	
Unexpended balance	409 06	
		$5,000 00

Interest

RECEIPTS.

Appropriation	20,500 00	
Water department	9,920 00	
Assessment bonds for streets	235 36	
Overdraft to balance	2,007 81	
		$32,673 17

DISBURSEMENTS.

Temporary loans	$ 2,372 20	
Bonds and notes	28,530 00	
Rathbun fund	9 00	
U. S. Deposit Money	1761 97	
		$32,673 17

LOUISA H. HOWARD FUND.

RECEIPTS.

Amount of Fund		$ 500 00

DISBURSEMENTS.

Deposited in Burlington Savings Bank		$ 500 00

LICENSE DEPARTMENT—"DOGS."

RECEIPTS.

From Charles E. Allen, City Clerk		$ 716 95

DISBURSEMENTS.

J. O. Northrop, damage by dogs	$ 110 00	
Examination of above	4 00	
Dog killer	112 00	
Fletcher Free Library	490 95	
		$ 716 95

LICENSE DEPARTMENT.

RECEIPTS.

From C. E. Allen, City Clerk		$ 944 75

DISBURSEMENTS.

Transferred to General Fund		$ 944 75

LIQUOR AGENCY.

RECEIPTS.

Liquors on hand January 1, 1900	$ 1,318 88	
Sale of barrels	19 00	
		$ 1,337 88

DISBURSEMENTS.

Insurance	$ 7 20	
Balance to new account	1,330 68	
		$ 1,337 88

MINISTERIAL FUND—RENTS.

RECEIPTS.

From collections of rents		$49 75

DISBURSEMENTS.

Paid First Calvanistic Congo. Society,	$24 88	
Paid First Congregational Society	24 87	
		$49 75

PAUPER DEPARTMENT.

RECEIPTS.

Appropriation	$8,000 00	
Overdraft to balance	955 10	
		$8,955 10

DISBURSEMENTS.

D. C. Barber, overseer	$8,952 25	
Supplies	2 85	
		$8,955 10

PUBLIC BUILDINGS AND PARKS.

RECEIPTS.

Appropriation	$2,300 00	
Overdraft to balance	913 16	
		$3,213 16

DISBURSEMENTS.

Janitor of City Hall	$420 00	
Care of City and Battery Parks	449 75	
Plants and seeds	142 00	
Water	710 38	
Labor and teaming	217 47	
Repairs	519 79	
Lights	69 00	
Insurance	31 68	
Ice	72 82	
Coal	353 60	
Storing tools	5 00	
Sprinkling tax	149 67	
Seats for Battery Park	72 00	
		$3,213 16

PUBLIC BUILDINGS—RENTS.

RECEIPTS.

City Hall	$ 32 00	
Dennis & Jordan, City Market	48 00	
Water Department	400 00	
Burlington Rink Association	100 00	
		$580 00

DISBURSEMENTS.

Transferred to General Fund	$580 00

SALARY ACCOUNT.

RECEIPTS.

Appropriation	$ 5,700 00

DISBURSEMENTS.

Robert Roberts, Mayor	$ 500 00	
C. E. Allen, City Clerk, salary and clerk	1,700 00	
L. C. Grant, Treasurer, salary and clerk	1,500 00	
O. R. Mason, Alderman salary	200 00	
F. O. Sinclair, " "	200 00	
Geo. G. Munson, " "	200 00	
H. J. Gutchell, " "	183 34	
J. J. Shea, " "	200 00	
J. W. Courtney, " "	150 00	
C. E. Beach, " "	200 00	
E. S. Adsit, " "	50 00	
C. W. Brownell, " "	200 00	
H. M. Price, " "	200 00	
J. R. Kelly, " "	50 00	
G. Q. Stiles, " "	150 00	
Unexpended balance	16 66	
		$ 5,700 00

SCHOOL DEPARTMENT.

RECEIPTS.

Appropriation	$55,300 00	
Interest on U. S. Deposit Money	1,761 97	
Interest on Huntington Fund	555 99	
Interest on other funds	52 99	
State Treasurer	2,113 17	
Rents of leased lands	159 35	
H. O. Wheeler, Supt., tuitions, etc.	1,345 22	
		$61,288 69

DISBURSEMENTS.

Warrants drawn by Finance Committee		$61,288 69

SCHOOL FUND—RENTS.

RECEIPTS.

From collections of rents		$ 182 62

DISBURSEMENTS.

Paid H. H. Wheeler, Treasurer South Burlington	$ 23 27	
Transferred to School Department	159 35	
		$ 182 62

STREET LIGHT DEPARTMENT.

RECEIPTS.

Appropriation		$13,440 00

DISBURSEMENTS.

Consolidated Electric Co	$13,154 61	
H. C. Smith	10 00	
Unexpended balance	275 39	
		$13,440 00

STREET DEPARTMENT.

RECEIPTS.

Balance January 1, 1900	$ 23 47	
Appropriation	26,459 75	
Street and sprinkling assessments	10,731 19	
From H. Stevens, Superintendent	4,666 68	
From State of Vermont	646 38	
		$42,527 47

DISBURSEMENTS.

H. Stevens, Superintendent	$42,506 72	
Unexpended balance	20 75	
		$42,527 47

PERMANENT FUND.

DISBURSEMENTS.

Balance January 1, 1900	$98,999 88	
Paid H. Stevens, Superintendent	1,000 12	
		$100,000 00

SEWER DEPARTMENT.

RECEIPTS.

Appropriation	$500 00	
Assessments	835 21	
		$1,335 21

DISBURSEMENTS.

H. Stevens, Superintendent	$1,312 20	
Unexpended balance	23 01	
		$1,335 21

WATER DEPARTMENT.

RECEIPTS.

Appropriation	$50,982 71	
F. H. Crandall, Superintendent	1,914 69	
		$52,897 40

DISBURSEMENTS.

F. H. Crandall, Superintendent	$52,897 40

WATER COLLECTIONS.

RECEIPTS.

F. H. Crandall, Superintendent	$49,093 46

DISBURSEMENTS.

Transferred to General Fund	$49,093 46

SINKING FUND.

RECEIPTS.

Balance January 1, 1900	$196,359 82	
Appropriation and Water Department	12,296 58	
Interest	5,420 00	
		$214,076 40

DISBURSEMENTS

Amount used to retire bonds	$150,000 00	
Balance December 31, 1900	64,076 40	
		$214,076 40

TAX BILL, 1900.

Amount from City Clerk	$199,277 12	
5% added to delinquents	599 62	
1500 names in warrant	150 00	
		$200,026 74

Collections	$188,350 60	
Abatements to the Treasurer	277 29	
Abatements to the Constable	13 00	
Balance uncollected in the hands of the Constable	11,385 85	
		$200,026 74

BONDED DEBT.

Water Bonds, due 1906	$160,000 00	
Railroad Bonds, due 1911	100,000 00	
Improvement Bonds, due 1913	10,000 00	
School Bonds, due 1913	30,000 00	
Water Bonds, due 1914	30,000 00	
Improvement Bonds, due 1914	15,000 00	
School Bonds, due 1914	20,000 00	
Street Improvement Bonds, due 1915	20,000 00	
School Bonds, due 1915	25,000 00	
Street Improvement Bonds, due 1917	20,000 00	
Street Improvement Bonds, due 1918	20,000 00	
Water Bonds, due 1919	65,000 00	
School Bonds, due 1923	85,000 00	
School Bonds, due 1924	25,000 00	
	$625,000 00	
Less Sinking Fund	64,076 40	
Net debt		$560,923 60

Treasurer's Balance Sheet, December 31, 1900.

ACCOUNTS.	DEBIT.	CREDIT.	DR. BALANCE.	CR. BALANCE.
Rathbun Fund		$ 150 00		$ 150 00
Sinking Fund Investment	$171,000 00	150,000 00	$ 21,000 00	
Bills Payable, Loans	140,000 00	189,366 22		49,366 22
Railroad Stock	160,000 00	60,000 00	100,000 00	
Louisa H. Howard Fund	500 00		500 00	
Water Works Construction	313,717 02		313,717 02	
City Hall	8,648 18		8,648 18	
State School Tax	6,419 87	6,419 87		
Louisa Howard Fund		500 00		500 00
Improvement of Streets and Sewers	151,741 94	50,000 00	101,741 94	
County Tax	1,283 97	1,283 97		
Hydrant Tax	3,540 00	3,540 00		
License Department	944 75	944 75		
License Department—Dogs	716 95	716 95		
Ministerial Fund—Rents	49 75	49 75		
Sinking Fund	150,000 00	214,076 40		64,076 40
State Highway Tax	6,419 87	6,419 87		
School Fund—Rents	182 62	182 62		
School Houses	101,803 16	40,000 00	61,803 16	
Bonds and Notes	150,000 00	775,000 00		625,000 00
State Tax	12,839 74	12,839 74		
Tax Collections, 1894	90 67	90 67		
General Fund	244,807 31	260,228 00		15,420 69
Street Improvement	100,000 00	100,000 00		
Salaries	5,683 34	5,700 00		16 66

Treasurer's Balance Sheet, December 31, 1900—*Continued.*

ACCOUNTS.	DEBIT.	CREDIT.	DR. BALANCE.	CR. BALANCE.
Assessments, 1894	$ 199 62	$ 199 62		
Assessments, 1896	1,269 17	1,269 17		
Tax Collections, 1895	1,240 87	1,240 87		
Sprinkling Tax, 1897	13 63	13 63		
Band Concerts	1,000 00	1,000 00		
Sprinkling Tax, 1898	94 09	44 07	$ 50 02	
Tax Collections, 1896	100 12	100 12		
Public Buildings—Rents	580 00	580 00		
Health	1,763 30	1,500 00	263 30	
Fletcher Library	2,344 13	2,000 00	344 13	
Cemetery Commissioners	500 00	500 00		
Liquor Agency	1,326 08	19 00	1,307 08	
Tax Collections, 1898	1,009 82	1,009 82		
Sprinkling Tax, 1899	351 85	233 18	118 67	
Assessments, 1899	7,772 37	3,903 48	3,868 89	
Assessments, 1897	3,204 45	1,219 78	1,984 67	
Assessments, 1895	285 83	239 46	46 37	
High School	122,940 52		122,940 52	
Assessments, 1898	4,736 39	2,700 59	2,035 80	
Streets	42,506 72	42,527 47		$20 75
Costs and Fines	628 67	628 67		
Criminal and Police	10,051 27	9,236 33	814 94	
Tax Collections, 1897	130 73	130 73		
Fire	14,764 29	13,572 71	1,191 58	
Water	52,897 40	52,897 40		

Treasurer's Balance Sheet, December 31, 1900—*Continued.*

ACCOUNTS.	DEBIT.	CREDIT.	DR. BALANCE.	CR. BALANCE.
Interest	$ 32,673 17	$30,655 36	$2,017 81	
Tax Collections, 1899	3,067 77	3,067 77		
Public Buildings and Parks	3,213 16	2,300 00	913 16	
School	61,716 43	61,716 43		
Water Collections	49,093 46	49,093 46		
Pauper	8,955 10	8,000 00	955 10	
Street Lights	13,164 61	13,440 00		$275 39
Incidentals	4,590 94	5,000 00		409 06
Sewers	1,312 20	1,335 21		23 01
Tax Collections, 1900	188,350 60	188,350 60		
Sprinkling Tax, 1900	5,700 00	5,186 17	513 83	
Assessments, 1900	5,866 40	2,891 90	2,974 50	
Firemen's Relief Fund		5 00		5 00
Cash	5,512 51		5,512 51	
	$2,385,316 81	$2,385,316 81	$755,263 18	$755,263 18

BURLINGTON, VT., December 31, 1900.

We have examined the accounts, books and vouchers of L. C. Grant, City Treasurer, from January 1st to December 31st, 1900, inclusive, and find them correct. We also find in his hands security for the sinking fund and the trust funds of the cemeteries.

GEO. W. BECKWITH,
JOHN C. FARRAR,
THOMAS FAILEY, } Auditors.

SALARIES, OR OTHERWISE, OVER $300, PAID.

Robert Roberts, Mayor	$ 500 00
L. C. Grant, City Treasurer, and Clerk	1,500 00
C. E. Allen, City Clerk, including fees	1,500 00
G. A. Dow, Ass't City Clerk	780 00
H. M. McIntosh, City Engineer	500 00
Patrick Farrell, Ass't Janitor City Hall, etc	420 00

SCHOOL DEPARTMENT.

H. O. Wheeler, Superintendent	$ 1,500 00
Isaac Thomas, Principal Edmunds High	2,200 00
Effie Moore, Assistant Edmunds High	800 00
Phebe M. Towle, Assistant Edmunds High	650 00
Annie T. Smith, Assistant Edmunds High	600 00
Annie L. Sherburne, Assistant Edmunds High	500 00
Abbie K. Leonard, Assistant Edmunds High	500 00
Martha O. Coffin, Assistant Edmunds High	500 00
Anna M. Bailey, Assistant Edmunds High	600 00
Geo. M. Brett, Assistant Edmunds High	900 00
Albert W. Varney, Assistant Edmunds High	900 00
Joseph D. Bartley, Assistant Edmunds High	600 00
Mary E. Wells, Principal Grammar	1,000 00
Mrs. Ellen H. Vilas, Assistant Grammar	550 00
Winifred M. Collins, Assistant Grammar	550 00
Mary E. Drew, Assistant Grammar	500 00
Adelle I. Lee, Assistant Grammar	450 00
Mae A. Edwards, Assistant Grammar	400 00
Cornelia C. Underwood, Teacher Ungraded, Main street	400 00
Bertha D. Heflin, B and C Primary, Main street	300 00
Sarah A. Martin, Principal Converse	600 00
Maria B. Harty, A Intermediate, Converse	450 00
Clara M. Lawrence, B Intermediate, Converse	450 00
Jennie M. Mathews, C Intermediate, Converse	450 00
Nellie D. Butts, A Primary, Converse	450 00
Clara P. Loomis, B Primary, Converse	400 00
Annie A. Smith, C Primary, Converse	450 00
S. Maude Read, Special Assistant, Converse	325 00
Mrs. Mary B. Mayo, Principal Lawrence Barnes	600 00
Mrs. Minnie M. Barker, A Intermediate, Lawrence Barnes	450 00
Marion E. Bates, B Intermediate, Lawrence Barnes	425 00
Helen G. Hendee, C Intermediate, Lawrence Barnes	425 00
Mrs. Josephine A. Metts, A Primary, Lawrence Barnes	450 00
Josephine M. Everett, B Primary, Lawrence Barnes	425 00
Emma C. Lanou, C^1 Primary, Lawrence Barnes	450 00
Mary E. Russell, C^2 Primary, Lawrence Barnes	425 00
Mrs. Laura R. Gardner, Kindergarten, Lawrence Barnes	350 00
Kate P. Miller, Principal, Pomeroy	600 00
Dora E. Smith, A Intermediate, Pomeroy	450 00

Anna L. Burnham, B Intermediate, Pomeroy	$450 00
Mary E. Enright, C Intermediate, Pomeroy	450 00
Maude M. Weeks, A Primary, Pomeroy	450 00
Lida M. Lanou, B Primary, Pomeroy	450 00
Frances M. Lewis, C^1 Primary, Pomeroy	450 00
Agnes M. Mulqueen, C^2 Primary, Pomeroy	425 00
Edith C. Oakes, Kindergarten, Pomeroy	300 00
Emma J. Chapman, Principal, Adams	550 00
Mary A. Farrell, Assistant, Adams	500 00
Ella J. Barrows, Assistant, Adams	400 00
Mary E. Fuller, Assistant, Adams	425 00
Nellie Ayling, Assistant, Adams	400 00
Winifred E. Rice, Assistant, Adams	400 00
Nellie W. Hickok, Kindergarten, Adams	300 00
Cora B. Drew, Principal, Ira Allen	550 00
Minnie A. Goodell, B and C Intermediate, Ira Allen	425 00
Della L. Calvert, A and B Primary, Ira Allen	450 00
Estelle M. Packard, C Primary, Ira Allen	450 00
Lois M. Malaney, Principal. Archibald St	550 00
Mary M. Walsh, Assistant, Archibald St	375 00
Maud Russell, Assistant, Archibald St	300 00
Mary F. Madigan, Assistant, Archibald St	300 00
Rosalyn M. Spaulding, Principal, S. W. Thayer	400 00
Amy H. Hathaway, Assistant, S. W. Thayer	300 00
Laura L. Brownell, Principal, Park Ave	425 00
Emma A. Robair, Assistant, Park Ave	325 00
Ella K. Herrick, teacher drawing	500 00
J. H. Humphrey, teacher music	1000 00
Russell Hallett, Engineer Edmunds High	525 00
Henry Rice, Janitor, Grammar	400 00
W. H. Watkins, Janitor Adams and Main	400 00
John Lessor, Janitor Pomeroy	400 00
Joseph Pine, Janitor Lawrence Barnes	400 00
Madison Paxton, Janitor Archibald and Ungraded	360 00

LIBRARY DEPARTMENT.

Sarah C. Hagar, Librarian	800 00
Lizzie R. Moore, Assistant Librarian	500 00

HEALTH DEPARTMENT.

H. R. Watkins, M. D., Health Officer, and fees	577 70
Joseph Langlois, in charge of dump	400 14

WATER DEPARTMENT.

F. H. Crandall, Superintendent	$ 1,200 00
J. W. Thomas, Engineer	910 00
William Cassidy, Foreman	786 75
Oscar Heininger, Chief Meter Inspector	636 30

Dennis Brodie, Teamster	$547 50
Louis Steady, Fireman	546 00
A. J. Howard, Fireman	534 00
M. A. Stone, Foreman	518 75
Alec. Myers, Laborer	481 65
John Leach, Inspector	466 15
Emile Guerin, Inspector	442 65
F. P. Eady, Bookkeeper	400 00
Patrick Hassett, Laborer	323 84
K. M. McCaffrey, Office Assistant	312 00
Michael Glynn, Laborer	312 00
Jos. Myers, Laborer	309 90

FIRE DEPARTMENT.

Moses Murray, Chief Engineer	$ 800 00
William J. Brown, Captain Station 1	598 00
Ernest R. Brew, Captain Station 4	590 61
Michael Lynch, Captain Station 2	593 08
Edward Lynch, Driver Station 2	529 65
Henry M. Riley, Electrician	596 36
Charles A. Niles, Driver Station 3	525 07
Fred F. Miller, Pipeman Station 1	475 12
James M. Cosgrove, Captain Station 3	571 62
Seymour E. Lozo, Driver Station 1	524 91
George L. Neal, Pipeman Station 3	473 07
Peter J. Benoit, Driver Station 1	488 93
John Moran, Pipeman Station 2	335 77
Wesley W. Connor, Engineer Station 1	317 56
George W. Hurlburt, Pipeman Station 1	300 00

STREET DEPARTMENT.

Herald Stevens, Superintendent	$ 1,000 00
L. A. Walker, Assistant Superintendent	624 00
George W. Beckwith, Clerk	624 00
Guy Chambers, Foreman	308 85
Clovis Lavalley, Hostler	546 00
Joseph Dague, Driver	468 83
Peter Hanlin, Driver	434 85
Louis Vassar, Driver	383 15
E. H. Chambers, Driver	425 55
Henry Lavalley, Driver	375 35
John Seymour, Driver	452 60
D. Bombard, Driver	397 45
E. P. Hendrick, draftsman	308 00
John Casey, engineer, steam roller	462 00
John Coleman, paver	396 40
Louis Hart, paver	363 45
C. S. Moss, laborer	339 15

Peter Lemaire, laborer	$373 10
Isaac Fine, team	350 00
William Andrews, "	336 27
John Riley, "	342 95
David Weston, "	389 30
Joseph Cross, "	398 30
H. R. Thomas, "	319 20
Gay & Henderson, "	301 00
Alex. Seymour, "	372 30
E. L. Whitlock, "	378 15
J. Gero, "	378 35

POLICE DEPARTMENT.

Edward F. Brownell, chief	1,000 00
J. J. Brothers	600 00
P. J. Cosgrove	600 00
William Garrow	601 50
M. C. Graton	600 00
Thomas H. Kelley	574 40
E. P. McElligott	600 00
P. J. Russell	600 00
John Ryan	601 50
Levi P. Cole	340 60
E. R. Coon	317 09

PAUPER DEPARTMENT.

D. C. Barber, overseer	600 00
C. H. Harrington, farm superintendent	366 67

CEMETERY DEPARTMENT.

Mathew Collins, Superintendent Elmwood, Lake View and Green Mount	791 25
John Kennedy, laborer	429 00
John Dwyer, laborer	348 00
Thomas Coffey, laborer	305 25
Patrick Hayes, team	393 42

REPORT OF THE SUPERINTENDENT

OF

The Mary Fletcher Hospital.

Number of patients treated from Dec. 1, 1899 to Dec. 1, 1900		1,386
Number who remained at the Hospital	863	
Number treated as "out-door" patients	523	
		1,386
Number admitted who paid the regular rate ($10.00 per week)	157	
Number admitted who paid less (average $5.30 per week)	165	
Number admitted free of charge	541	
Number of "out-door" patients also free of charge	523	
		1,386

The clinical work is constantly increasing. An out-patient department for eye, ear and throat cases, is in session every Tuesday and Friday from 4 to 6 P. M.

EXTENT OF CHARITY.

The following statement will enable the public to see to what extent the Hospital is a public charity.

Adding together the number of days spent in the Hospital by each patient from December, 1899, to December, 1900, and dividing the total by 7, we find :

Free patients cared for	2,005 weeks.
Patients paying $10 per week	395 "
Patients paying less than $10	746 "
Total expense for the year	$26,805 04
Average paid by paying patients	6 93
Actual expense per week for each patient paying and free, not reckoning interest on plant and equipment,	8 52

This makes each "paying patient" receive an average of $1.59 per week as charity, besides the benefit of the equipment and of gratuitous medical and surgical care, and leaves a balance of 2,005 weeks as pure charity, to free patients, as well as the 523 out-door patients who were also entire charity. For part of this charity, of course the donors of free beds are entitled to the gratitude of the recipients.

The daily average of the patients throughout the year has been 60⅓.

B. J. ANDREWS, M. D.,
Superintendent.

Mayor's Estimates.

To the Honorable the Board of Aldermen :

GENTLEMEN :—In compliance with the provisions of the Revised Ordinances, I respectfully submit the following statement of the assets and liabilities of the City on January 1, 1901; also "an estimate of the amount of money necessary to be raised for the ensuing financial year, and the ways and means for raising the same."

All doubtful assets and claims in litigation are not included in this statement.

ASSETS OF THE CITY JANUARY 1, 1901.

Cash on hand	$ 5,512 51
Street assessments	11,700 34
Uncollected taxes (estimated collectable)	16,937 36
Cherry Street property (for sale)	1,000 00
Howard Hose House (for sale, now temporarily used by School Department)	3,000 00
Liquors in Agency	1,307 08
Uncollected water taxes, 1900	400 00
Uncollected sprinkling taxes	544 52
	$40,401 81

LIABILITIES.

Due Street Department	$ 20 75
Due Sinking Fund	43,076 40
Temporary Loan	20,000 00
	$63,097 15
Net Liabilities January 1, 1901	$22,695 34

ESTIMATED CURRENT EXPENSES FOR 1901.

Highways	$ 26,000 00
Sinking Fund	6,500 00
State Highway Tax	6,611 08
State School Tax	6,611 08
State Tax 7½ cents	9,920 55
County Tax	661 11
Schools	55,300 00
Library	2,300 00
Police	8,000 00
Fire	14,000 00
Buildings and Parks	2,300 00
Street Lights	13,770 00
Health	1,200 00
Incidentals	5,000 00
Sewers	500 00
Pauper Department	8,500 00
Salaries	$ 5,700 00
Interest on bonds and notes, less amount paid by water department	16,700 00
Sherman Band	1,000 00
Interest on temporary loans	1,500 00
Hydrant tax	3,480 00
	$195,553 82

ESTIMATED RECEIPTS FOR 1901.

Rents	$ 1,500 00
Licenses	1,000 00
Criminal Department	1,000 00
	$3,500 00

From the foregoing statement it appears that a balance of $192,053.82 must be provided for the current expenses of the ensuing financial year.

If our grand list and municipal expenses remain the same as last year, then a tax of 150 cents on the dollar will meet the current expenses, provide for the sinking fund, and, as it has done for the past two years, leave a surplus for application on our old debt. This tax I recommend.

Respectfully submitted,

ROBERT ROBERTS,

Mayor.

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CITY ELECTION.

WARNING.

The Legal Voters in City Meeting of the City of Burlington, Vt., are hereby Notified and warned to meet on

TUESDAY THE (5th) FIFTH DAY OF MARCH,

A. D. 1901, at 9 o'clock in the forenoon, in their respective Wards, at the several voting places hereinafter named, for the purpose of electing a Mayor, and for the purpose of electing in

Ward One—One Alderman and Ward Officers, and in

Ward Two—Two Aldermen, one School Commissioner, and Ward Officers, and in

Ward Three—One Alderman, and Ward Officers, and in

Ward Four—One Alderman, one School Commissioner, and Ward Officers, and in

Ward Five—One Alderman, one School Commissioner, and Ward Officers.

All of whom to hold office for one year, except Aldermen and School Commissioners, who are to be elected for terms of two years each, and except one Alderman to be elected in Ward Two, to fill the vacancy occasioned by the resignation of Alderman Henry J. Gutchell.

The following are designated as voting places, viz:

In **Ward One**—At Fire Station No. 3, Mansfield Avenue.

In **Ward Two**—At the Star Hose House, No. 128 North Champlain Street.

In **Ward Three**—At Fire Station No. 2, No. 120 North Champlain Street.

In **Ward Four**—At City Court Room, City Hall Building.

In **Ward Five**—At William Smith's Carriage Repository, No. 164 St. Paul Street.

The Polls open at 9 o'clock in the forenoon, and close at 2 o'clock in the afternoon.

ROBERT ROBERTS, Mayor.

Burlington, Vt., February 20th, 1901.

THIRTY-SEVENTH

ANNUAL REPORT

OF THE

CITY OF BURLINGTON,

VERMONT.

FOR THE

Year Ending December 31, 1901.

BURLINGTON:
FREE PRESS ASSOCIATION,
PRINTERS, BINDERS AND STATIONERS.
1902.

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1902.

RESOLUTION.

Resolution relating to the publication of the Thirty-Seventh Annual City Report, offered by Alderman Shea, at a meeting of the Board of Aldermen, held on the 3rd day of February, 1902, and adopted in the words following:

CITY OF BURLINGTON.

In the year one thousand nine hundred and two—

Resolved, by the City Council of the City of Burlington, as follows:

That the City Clerk is hereby directed to prepare for publication the Annual Reports of the City Officers, and such other matter as is usually published in the City Reports, and, under the direction of the Mayor, to procure printed 1,300 copies thereof for tax payers and general distribution, and that said copies be printed, ready for such distribution, at least two weeks before the annual City election, and that bids shall be asked for by Committee on Printing.

Approved February 3d, 1902.

DONLY C. HAWLEY, *Mayor.*

GOVERNMENT AND OFFICERS

OF THE

CITY OF BURLINGTON,

FOR 1901.

Mayor—His Honor, DONLY C. HAWLEY, M. D.
Office, No. 3 City Hall, Residence, 204 Pearl St.

BOARD OF ALDERMEN.

President,
CHARLES E. BEACH.

First Ward—Frank O. Sinclair. Term expires, April, 1903.
Residence, 138 Colchester Ave.

Owen R. Mason. Term expires, April, 1902.
Residence, 439 College St.

Second Ward—Charles E. Germain.
Term expires, April, 1903.
Residence, 198 No. Winooski Ave.

George E. Trick. Term expires, April, 1902.
Residence, 167 No. Union St.

Third Ward—JOHN J. SHEA. Term expires, April, 1903.
Residence, 60 No. Champlain St.

JAS. W. COURTNEY. Term expires, April, 1902.
Residence, 69 Front St.

Fourth Ward—CHAS. E. BEACH. Term expires, April, 1903.
Residence, 148 College St.

GEO. Q. STYLES. Term expires, April, 1902.
Residence, 16 Orchard Terrace

Fifth Ward—LYMAN P. WOOD. Term expires, April, 1903.
Residence, 385 So. Willard St.

CHAUNCEY W. BROWNELL.
Term expires, April, 1902.
Residence, 196 So. Willard St.

Clerk, *ex-officio,* CHARLES E. ALLEN.

Regular meeting of the Board, First Monday in each month, at No. 2 City Hall.

STANDING COMMITTEES

OF THE

Board of Aldermen.

On Water Department,
Aldermen Germain, Trick, Mason.

On Fire Department,
Aldermen Stiles, Sinclair, Germain.

On Street Department,
Aldermen Shea, Mason, Trick.

On Accounts and Claims,
Aldermen Mason, Shea, Wood.

On Pauper Department,
Aldermen Brownell, Courtney, Wood.

On Public Buildings and Parks,
Aldermen Trick, Stiles, Brownell.

On Printing and Publication,
Aldermen Brownell, Mason, Sinclair.

On Schools and Library,
Aldermen Sinclair, Brownell, Stiles.

On Health,
Aldermen Courtney, Wood, Germain.

On Liquor,
Aldermen Beach, Stiles, Sinclair.

On Railroads,
Aldermen Wood, Trick, Courtney.

On Licenses,
Aldermen Shea, Germain, Trick.

On Electric Poles and Wires,
Aldermen Mason, Brownell, Shea.

CITY OFFICERS.

City Clerk—CHARLES E. ALLEN.
Office, No. 2 City Hall. Residence, 142 University Place.

Assistant Clerk—GILBERT A. DOW. Residence, 226 Pearl St.

City Treasurer—LOWELL C. GRANT.
Office, No. 4 City Hall. Residence, Van Ness House

City Attorney—D. J. FOSTER, to April 25th.
Office, 196 Main Street. Residence, 120 Buell St.
W. L. BURNAP, from April 25th.
Office, County Court House. Residence, 151 So. Prospect St.

City Constable—HOYT E. SALLS, to April 25th.
Office, 157 Church St. Residence, 169 Maple Street.
PETER E. GIRARD, from April 25th.
Office, No. 1 City Hall Residence, 115 North Avenue.

Health Officer—H. R. WATKINS, M. D., to December 5th.
Office and Residence, 42 No. Winooski Avenue.
W. A. LYMAN, M. D.,
From December 5th to December 26th.
Office and Residence, 64 Grant Street.

Engineer and Surveyor—H. M. MCINTOSH, C. E.
Office, City Market Building. Residence, 81 N. Willard St.

Grand Juror—JAMES H. MACOMBER, to April 25th.
Office, 182 Main Street. Residence, 83 Loomis Street.
S. M. FLINT, from April 25th.
Office, 174 Main Street. Residence, 106 Colchester Avenue.

Overseer of Poor—DANIEL C. BARBER, to April 25th.
Office, 157 Church Street. Residence, 189 Church Street.
FRANK P. ROBINSON, from April 25th.
Office, 12 No. Winooski Ave. Residence, 346 North Ave.

Trustee U. S. Deposit Fund—LOWELL C. GRANT.
Office, No. 4 City Hall. Residence, Van Ness House

Fence Viewers—
CLEOPHAS LAPRESE, Residence, 175 Shelburne Street.
OLIVER DE VARENNES, Residence, 82 North Street.

Sealers of Weights and Measures—
WILLIAM H. ROBERTS, to April 25th.
Residence, 24 St. Paul Street.
L. C. DEMAIN, from April 25th.
Residence, 62 East Avenue.

Custodian of City Scales—
GEORGE W. BECKWITH, Office, City Market Building.

City Liquor Agent—ALBERT KILLAM.
Office, 156-158 Main Street. Residence, 12 Grant Street.

Assistant Agent—WILLIAM H. TRACY.
Residence, 20 No. Champlain Street.

City Physician—W. J. LABELLE, M. D.
Office, 207 No. Winooski Avenue.

Auditors—
GEORGE W. BECKWITH, Residence, 236 Main Street.
JOHN C. FARRAR, Residence, 45 No. Winooski Avenue.
THOMAS FAILEY, Residence, 56 George Street.

Janitor of City Hall—L. C. GRANT. Office, No. 4 City Hall.

Pound Keeper—E. F. BROWNELL. Office, 162 Main Street.

STREET DEPARTMENT.

BOARD OF STREET COMMISSIONERS.

FRANK S. LANOU. Term expires, 1904.
Office, 166 North Street.

N. KING BROWN, Chairman. Term expires, 1903.
Office, 115 St. Paul Street.

JAMES B. HENDERSON. Term expires, 1902.
Office, 154 College Street.

SUPERINTENDENT OF STREETS.

HERALD STEVENS. Office, City Market Building.
Residence, 111 North Winooski Avenue.

SPECIAL COMMITTEE ON CERTAIN PERMANENT STREET IMPROVEMENTS.

DONLY C. HAWLEY, M. D., Mayor.
H. M. MCINTOSH, City Engineer.
N. K. BROWN, Chairman Street Commissioners.

FIRE DEPARTMENT.

Office, Station No. 1, Church Street.

Chief Engineer—MOSES MURRAY.
Residence, 38 Hickok Place.

First Assistant—JOSEPH H. CARLIN.
Residence, 60 Elm Street.

Second Assistant—GEORGE W. BURT.
Residence, 189 So. Union Street.

PERMANENT FIREMEN.

Station No. 1—Captain, William J. Brown; engineer, F. W. Sager; drivers, George Hurlburt, Peter Benoit; pipemen, William Longe, ————; electrician, Henry M. Riley.

Station No. 2—Captain, Michael Lynch; driver, Edward Lynch; pipeman, John Moran.

Station No. 3—Captain, James M. Cosgrove; driver, Charles A. Niles; pipeman, George Neal.

Hook and Ladder Co.—Captain, Ernest R. Brew.

BOARD OF FIRE WARDENS.

First Ward—A. P. Lowell.
Residence, 49 Mansfield Avenue.

Second Ward—John Roby, Chairman.
Residence, 103 No. Union Street.

Third Ward—D. Flaherty.
Residence, 128 North Battery Street.

Fourth Ward—F. D. Clifford.
Residence, 122 College Street.

Fifth Ward—F. H. McCale.
Residence, 516 South Union Street.

BUILDING INSPECTORS.

Z. T. Austin, Chairman and Clerk. Term expires, 1904.
Residence, 244 College Street.

George B. Rand. Term expires, 1903.
Residence, 62 No. Champlain Street.

John W. Coffey. Term expires, 1902.
Residence, 557 So. Willard Street.

ASSESSORS.

Office, No. 7, City Hall.

FRED O. BEAUPRE. Term expires, 1904.
Residence, 82 No. Winooski Avenue.

*ALEXANDER H. PARKER. Term expires, 1903.
Residence, 30 No. Battery Street.

ALPHONSE L. BARROWS, Chairman. Term expires, 1902.
Residence, Shelburne Street.

WATER COMMISSIONERS.

Office, No. 5 City Hall.

J. W. GOODELL, Chairman. Term expires, 1904.
Office, 257 Pine Street.

J. ERNEST LANOU, Chairman. Term expires, 1903.
Office, 166 North Street.

JAMES E. MEAGHER. Term expires, 1902.
Office, 66 Pearl Street.

SUPERINTENDENT OF WATER WORKS.

FRANK H. CRANDALL, C. E.
Office, No. 5 City Hall. Residence, 67 Elmwood Avenue.

CEMETERY COMMISSIONERS.

W. J. VAN PATTEN, Chairman. Term expires, 1904.
Residence, 386 Pearl Street.

CURTIS A. HIBBARD. Term expires, 1903.
Office, 52 College Street.

HOWARD CRANE. Term expires, 1902.
Residence, 91 No. Union Street.

*Died September 22, 1901.

SUPERINTENDENT OF CEMETERIES.

GREEN MOUNT, ELMWOOD AND LAKE VIEW CEMETERIES.

MATTHEW COLLINS,

North Avenue, at Lakeview Cemetery.

CITY COURT.

Judge, E. W. J. HAWKINS.

Court Room, 9 City Hall. Residence, 114 Buell Street.

Clerk, JOSEPH T. STEARNS.

Office, 8 City Hall. Residence, 44 So. Willard Street.

CITY POLICE.

CHIEF.

EDWARD F. BROWNELL.

Office, 164 Main Street. Residence, 47 Hyde Street.

REGULAR POLICEMEN.

John J. Brothers,
Patrick J. Cosgrove,
William Garrow,
Milo C. Graton,
William F. Wills,
John Donahue,
Thomas H. Kelley,
Edward P. McElligott,
Patrick J. Russell,
John H. Ryan,
Peter Lynch,
E. R. Coon.

BOARD OF POLICE EXAMINERS.

JAMES F. BOLGER. Term expires, 1904.
Office, 82 No. Battery Street.

CALVIN S. ISHAM, Chairman. Term expires, 1903.
Office, 148 Church Street.

GEORGE D. WRIGHT. Term expires, 1902.
Office, 38 No. Winooski Avenue.

SCHOOL DEPARTMENT.

BOARD OF SCHOOL COMMISSIONERS.

Ward 1—ELIHU B. TAFT. Resigned April 13, 1901.
Residence, 397 Pearl Street.

Ward 2—C. SMITH BOYNTON. Resigned April 13, 1901.
Residence, 69 No. Prospect Street.

Ward 3—JOSEPH I. FUGERE. Resigned April 13, 1901.
Residence, 7 North Avenue.

Ward 4—CHARLES C. MILLER, President.
Resigned April 13, 1901. Office, 125 College Street.

Ward 5—WILDER L. BURNAP. Resigned April 13, 1901.
Office, County Court House.

Ward 1—MAX L. POWELL, from April 19th.
Term expires, 1902. Residence, 70 Williams Street.

Ward 2—H. C. TINKHAM, M. D., from April 15th.
Term expires, 1902. Residence, 46 No. Winooski Avenue.

Ward 3—GEORGE B. RAND, from April 29th.
Term expires, 1902. Residence, 66 No. Champlain Street.

Ward 4—WALTER S. VINCENT, from April 19th.
Term expires, 1902. Residence, 322 Main Street.

Ward 5—F. E. BURGESS, from April 15th.
Term expires, 1902. Residence, 227 So. Willard Street.

F. E. BURGESS, President.
MAX L. POWELL, Clerk.

SUPERINTENDENT OF SCHOOLS.

ALBERT W. VARNEY, elected April 5. Resigned April 13.
H. O. WHEELER, from January 1 to April 5 and from April 29.
Office, Edmunds High School.

TRUANT OFFICERS.

OLIVER LAMORA, PETER MERCIER. 162 Main Street.

STANDING COMMITTEES.

On School Houses and School Property,
Commissioners Vincent, Tinkham, Burgess.

On School Instruction, Text Books, Teachers,
Commissioners Powell, Burgess, Vincent.

On Finance and Accounts,
Commissioners Burgess, Rand, Vincent.

On Rules and Regulations,
Commissioners Tinkham, Powell, Rand.

Regular meetings of Board first Friday in each month at 7.30 P. M., at the Superintendent's Office, at the Edmunds High School.

Superintendent's office hours from 4.15 to 5.15 P. M. school days.

TERMS OF OFFICE.

The term of office of the Mayor and Aldermen commences the first Monday in April; of the School Commissioners, the first day of April.

Street, Water and Cemetery Commissioners—One elected in April each year for a term of three years, from April 25th next following his appointment, and until his successor shall be appointed and qualified.

City Assessors—One elected in March each year, for a term of three years from April 1st following his election, and until his successor is appointed and qualified.

Police Examiners—One appointed between the first and second Mondays in April each year, for a term of three years from the 25th day of the same April, and until his successor is appointed and qualified.

All others of the foregoing named officers, one year from April 25th, 1901, except the Superintendent of Water Works, who is annually appointed on the first Monday after April 25th, to serve one year or until his successor shall be appointed and qualified; and the Superintendent of Streets, who is appointed annually on the first Monday in May, to serve one year, or until his successor shall be appointed and qualified.

FLETCHER FREE LIBRARY.

TRUSTEES.

His Honor, THE MAYOR, *ex-officio.*

Matthew H. Buckham, D. D., President.
Residence, 28 University Place.

William J. Van Patten. Residence, 386 Pearl Street.

H. L. Ward. Residence, 143 So. Willard Street

J. Isham Bliss, D. D. Residence, 404 Pearl Street.

Secretary of the Board, Rev. J. Isham Bliss, D. D.

TRUSTEES OF THE FLETCHER FUND.

T. E. Wales, Edward Wells, Joel H. Gates.

LIBRARIAN.

Miss Sarah C. Hagar. Residence, 323 College Street.

ASSISTANT LIBRARIAN.

Miss Lizzie R. Moore. Residence, 152 No. Prospect Street.

MESSENGER.

Elmer B. Russell. Residence, 386 So. Union Street.

WARD OFFICERS.

WARD ONE.

Clerk—Frank L. Freeman.

Inspectors of Election—J. H. Chambers, Frank E. Perkins, Leo St. George.

WARD TWO.

Clerk—Perley O. Ray.

Inspectors of Election—Edward J. Booth, Carl D. Stockwell, J. Albert Gingras.

WARD THREE.

Clerk—T. Edward Dooley.

Inspectors of Election—Richard J. Madigan, Thomas Failey, Oliver DeVarennes.

WARD FOUR.

Clerk—George C. Mayo.

Inspectors of Election—Frank Brown, Thomas F. Conlon, Harry C. Wheelock.

WARD FIVE.

Clerk—Francis H. McCale.

Inspectors of Election—A. A. Drew, Curtis A. Hibbard, Fred Johonnott.

City election first Tuesday in March.

PARTY ORGANIZATIONS.

CITY COMMITTEES.

REPUBLICAN.	DEMOCRATIC.
S. M. Flint,	J. F. Kidder,
L. E. Palmer,	J. R. McMahon,
L. H. Ouimette,	J. F. Bolger,
Robert Noble,	J. E. Hogan,
J. W. Goodell.	T. P. Daley.

WARD COMMITTEES.

James Gallagher, John Louther, Robert Taylor.	Ward I.	Geo. McBeth, Edward Ward, E. J. Harrington.
Henry H. Lee, J. E. Bradley, L. H. Beaupre.	Ward II.	Patrick Henry, Henry McNally, W. J. Childs.
W. B. Gates, P. E. Girard, Frank Gilmond.	Ward III.	J. E. DeVarennes, Chas. Steinkamp, J. W. McCarty.
A. L. Walker, William Dunn, F. D. Clifford.	Ward IV.	W. H. Brown, J. C. Kelley, J. H. Glynn.
Edward Wheeler, H. E. Salls, J. H. Carlin.	Ward V.	James Ryan, Chas. LaPlant, F. W. Zottman.

MAYOR'S MESSAGE.

Delivered Before the City Council April 1, 1901.

To the Honorable, The Board of Aldermen:

In keeping with the practice of my predecessors in office and in compliance with the terms of the City Charter, I present for your consideration a few facts and suggestions which I trust may prove of some value in assuming the management of the affairs of the municipality, but which are not put forth as covering the entire scope of the city's business for the coming year.

In the first place I consider it important that we enter upon the duties of our respective offices with a full appreciation of the fact that we are the servants or employees of the citizens as a whole. We should aim to conduct the public business and to regulate the public service, upon the same business principles that we would apply in the conduct of a private enterprise, mindful, however, of the fact that our success cannot be gauged by money standards alone, but to a great degree must be measured by the standard of improved sanitation, better municipal service, improved public utilities, and a higher citizenship.

Municipal government, while it should be conservative, should also be progressive. The city which expends the least

cannot so truly boast of its municipal service as the one which, *keeping its expenditures within reasonable limits,* receives most in return for its money. Progressiveness is imperative, but at the same time, of equal necessity is the keeping of our tax rate within reasonable limits.

A community like our own, demanding many of the improvements and luxuries of the larger cities, which luxuries by the way soon come to be looked upon as necessities, must expect an increase in municipal expenses; or choosing the other alternative, must be willing to go back to the times of impure water, improper drainage, dark streets, poor roads, no sidewalks, cramped, unsanitary and unventilated school-houses, and less efficient service in our police, fire and other departments. We can, however, afford to take no step backwards, and if we would attract to our city, so beautiful in its location and surroundings, a desirable class of residents, who in considerable numbers are nowadays looking towards the smaller cities as desirable places in which to live, we must not only maintain our present position, but must ever be alive to the necessities and the benefits of *modern municipal management.*

While we may thus properly set for ourselves a high ideal, we must bear in mind, as in the proper management of private affairs, that we must strive to attain it only by proper methods and under proper limitations as to time and expense. Judicious, economical and honest management are absolute essentials to proper municipal government.

Allow me to say, gentlemen, that it seems to me to be the duty of every one of you to take upon yourselves the full responsibility of every measure and of every matter of business which shall come before your honorable body. Concentration

of effort and centralization of responsibility will prove much more valuable to the people than any unnecessary division of duties. While matters may properly be referred to committees for investigation and report, still it is the duty of each member to assume in a whole-hearted manner, the full responsibility which has been entrusted to him by the people.

At the beginning of the present year the bonded debt of the city was $625,000, and the sinking fund $64,076.40, leaving a net bonded indebtedness of $560,923.60. This amount will be increased $20,000 by the issue of school bonds in accordance with the vote of the City Council, March 27th, 1901. A proper estimate of the safe limitation of indebtedness of a municipality is not based entirely upon its property valuation, but is modified by the character of the debt incurred.

For example, a debt incurred in establishing or perfecting a public utility which afterwards becomes a paying investment, must be deducted from a statement of the indebtedness of a municipality, in estimating its borrowing capacity.

In making the above statements, I do not wish to be understood as favoring any increase of our bonded indebtedness unless necessity shall require it, but desire to call your attention to the fact that our actual indebtedness, the interest on which must be provided for by taxation, is considerably less than appears from an unqualified statement of our financial condition. In proof of this position I need but call your attention to the fact that included in our bonded debt is $248,000 in water bonds, and further that our water department pays annually its running expenses and the interest on these water bonds, and for two years past has paid a profit which if continued twenty

years, will provide a sinking fund more than sufficient to retire its bonds. Therefore, I say, gentlemen, that in a proper statement of our financial condition as affecting an estimate of a safe limitation of municipal indebtedness, we should deduct from our actual net bonded debt of $580,923.60, the amount of our water bonds, $248,000, leaving a balance against us for future provision of $332,923.60. This latter amount is the only one which the financial world will charge against us in estimating our safe borrowing capacity.

Last month a statement was presented by the School Department, showing the necessity of a better and more commodious school building to replace the present Archibald Street building, and asking for $25,000 for its construction. Should it appear necessary to provide such a sum (approximately) during the coming year, I see no reason why it may not be provided safely and properly, by the issuance of school bonds. I shall not favor its provision by any method which will increase our present rate of taxation.

A statement, by my predecessor in office, of our liabilities, January 1st, 1901, together with the estimated expenses and receipts for the year, has been presented to your honorable body. A review of this statement makes it clear that the estimates therein contained have been thoughtfully prepared and that a tax of 150 cents on the dollar of the grand list, should be voted to provide for our current expenses and for the sinking fund. Our tax rate has, in my opinion, reached the safe maximum limit. A small increase in our property valuation, which at present is nearly thirteen and one quarter millions of dollars, and a slight decrease, if possible, in the expenses of our various

departments, may enable us in the near future, to hold our tax rate somewhat below the dollar and a half mark.

The completion of the Edmunds High School Building, during the past year, marks a new era in our City's educational progress. Burlington is essentially an educational city, and the erection of this modern building, which ranks with the finest and best equipped high school buildings in New England, is an important step in still further establishing the position of our beautiful city as one of the leading educational centers of New England. From a purely business point of view, I consider the cost of the Edmunds High School Building a wise investment and believe that it marks the beginning of a new era of prosperity.

When the Adams school building is re-constructed, as it will be during the coming summer, probably no city of equal size in New England, or in this section, can boast so large a number of fine, well appointed and modern school buildings, as can Burlington,—a fact which is becoming widely known and to our advantage.

The last ten years has been marked as a decade of school-house construction, but the large and increasing number of children of school age in the city, makes it imperative that we still further extend this era of school-house building. The rapid growth of the city in the vicinity of "Lakeside Park" and the "Addition" will make it necessary for the city to provide a new school building for this section in the near future, while the overcrowded condition in the Archibald Street School is such as to make the question of relief in that quarter by the provision of a more commodious structure, a question of present moment.

I feel no hesitancy in stating that the sanitary condition of our city is excellent, and altogether satisfactory. We should, however, always be on the alert for improvement in every direction that will tend towards the stamping out of unhealthy conditions and surroundings and the jugulation of preventable diseases. Diphtheria, scarlatina, measles, small pox, consumption and typhoid fever, are preventable diseases, and our citizens must be educated to a higher respect for proper sanitary measures and strict quarantine, in their management. As bearing upon this point, I respectfully urge upon your honorable body, the necessity of the passage of a city ordinance, requiring physicians and heads of families to report all cases of consumption to the Health Officer. The fact of the contagiousness of this disease is settled, and the disinfection or destruction of the sputum of consumptives, and the disinfection of apartments occupied by them is a public necessity.

The wide spread prevalence of small pox throughout a large section of our national domain, and its recent introduction into our own State, calls our attention anew to the importance of vaccination. While this epidemic has been generally of a mild character, it is, nevertheless, sufficient to cause alarm and to warn every community to take steps to prevent its ingress. The only protection from this dreaded scourge is in vaccination. I am not informed whether or not our State Board of Health will consider compulsory vaccination necessary. However, I believe it advisable for our City Health Department to order the vaccination of all children in the city under eighteen years of age, and of all above this age who are attending any school. Such immediate action I recommend.

Should the disease become epidemic, our only safe course would consist in general compulsory vaccination.

In this connection I wish to add that I believe the erection of a proper "Detention Hospital" for the care of all classes of contagious diseases to be one of the necessities of the near future.

The subject of pure food is one which is very properly receiving much thought at the present time. I mention it here to call your attention to the advisability of the appointment of an "Inspector of Milk" and an "Inspector of Meat." It is of vital importance that the quality of these two staple food products, supplied to our citizens, be of the best. A large quantity of milk is daily brought into the city from a variety of sources and under varying conditions as to quality, purity and cleanliness. While a major part of this milk supply is, in my opinion, the best obtainable, I am aware that some of it would fall below a proper standard. For these reasons I consider it our duty to institute some method for its proper inspection. It is my own opinion, further, that we should permit no milk to be sold in our city, except from tuberculin tested herds.

It may be objected that we do not need an "Inspector of Meat" on the ground that a large percentage of our meat supply is from the West and that all Western beef has been properly inspected before shipment. The fact remains, however, that a large amount of native beef, veal and other meats is annually sold in our city, and the proper inspection of the same, especially with reference to beef from tuberculous cattle, is of the utmost importance to the health of this community.

I have spoken above of the necessity of preventing, as far as possible, the spread of infectious diseases, and as a means to that end I urge the propriety of the disinfection of our public library once or twice every year, and of the disinfection of the books which go into general circulation at shorter intervals.

The breach of sections 4 and 5 of Chapter XV of the "Revised Ordinances" of the city is of such frequent occurrence, that I take this opportunity to say that their observance will be insisted upon. These ordinances are as follows:

Chapter XV, Section 4.—

No owner or occupant of a stable within the limits of the fire district shall permit more than one-half of a cord of manure to accumulate or remain uncovered outside of a building nor permit the grounds therewith to be foul or unclean. The cellar of every stable and of every store, or other building used for storage, shall be thoroughly cleaned at least three times in each year; once in the months of April, August and November, and at such other times as the board of health shall require. No person shall permit any manure, house offal, or other noxious refuse to accumulate, nor shall any such substance be kept or maintained, within fifty feet of any school-house or of any dwelling house, other than the house of the owner or occupant of the premises, where such material or substance is placed, or within fifty feet of any street in said fire district, without the permission of the city council.

Chapter XV, Section 5.—

No person shall remove through the streets located within the fire district, any house offal, kitchen refuse, or any other noxious or decaying liquid or solid matter, except in liquid

tight vessels or vehicles with close covers, so constructed and used as to effectually confine the same therein; nor shall any person remove through any of the streets of the city any manure, rubbish, or other refuse material, except in vehicles with canvas or other close fitting covers, such as will prevent the same from dropping therefrom while being removed.

The needs of the Fletcher Free Library have been repeatedly brought to the attention of this Board. Of its condition and its increasing usefulness, one may judge by the report of its Librarian published in the Annual City Report. Its great need is for a new building in which it may be properly and safely housed. In these days of library building, I feel it is not too much to hope that in the near future the way and the means may appear for the erection of a modern commodious fire-proof building for the Fletcher Library.

The affairs of the various departments are being judiciously and honestly managed, and you are no doubt informed of their condition and needs from a study of their reports and from your acquaintance with city affairs.

The old Cherry Street School property has been for some time in the market, and as it yields no income to the city, I favor its early sale.

The subject of a Public Park on the lake shore, often has been, and at present is being, discussed by many of our citizens. Certainly nothing could add more to the attractiveness of our city and the healthfulness of our people than the possession of such a park where all could go for relaxation and enjoyment. This subject is worthy of early consideration on account of the rapidly increasing value of the lake front. It certainly will be

considered a public calamity a generation hence, if the city does not own an outing place on the lake shore.

According to the census of 1900, the population of our city was 18,640, an increase of 4,050 in the ten years from 1890 to 1900. While these figures do not indicate a rapid or unusual development, I think there is no question but what our growth as a city has been a gradual and healthy one, and I feel no hesitancy in saying that our increase in population during the last decade, together with our development along all material lines, which tend to make our city a better place in which to live, has been of a degree and quality of which we may well be proud.

In conclusion, permit me to say, that I shall expect your hearty co-operation in the conduct of all public business, and trust that our administration of the same may be marked by positive moral and political honesty, and a lack of unreasonable partisanship.

Very respectfully submitted,

DONLY C. HAWLEY.

THIRTY-FOURTH ANNUAL REPORT

OF THE

Superintendent of Schools.

DEPARTMENT OF PUBLIC SCHOOLS.

BOARD OF SCHOOL COMMISSIONERS.

PRESIDENT OF THE BOARD.

FREDERICK E. BURGESS.

Ward One—MAX L. POWELL. 70 Williams Street.
Term expires, April 1, 1902.

Ward Two—HENRY C. TINKHAM, M. D.
46 No. Winooski Ave.
Term expires, April 1, 1902.

Ward Three—GEORGE B. RAND. 62 No. Champlain Street.
Term expires, April 1, 1902.

Ward Four—WALTER S. VINCENT, M. D. 322 Main Street.
Term expires, April 1, 1902.

Ward Five—FREDERICK E. BURGESS. 227 So. Willard Street.
Term expires, April 1, 1902.

SUPERINTENDENT OF SCHOOLS.

ALBERT W. VARNEY.

Elected April 5, 1901.
Resigned April 13, 1901.
Resignation took effect April 30, 1901.

HENRY O. WHEELER, 335 South Union Street.

Elected April 29, 1901.

CLERK OF THE BOARD.

MAX L. POWELL.

STANDING COMMITTEES.

On School Houses and School Property,
Commissioners Vincent, Tinkham, and Burgess.

On School Instruction, Text Books and Teachers,
Commissioners Powell, Burgess and Vincent.

On Finance and Accounts,
Commissioners Burgess, Rand and Vincent.

On Rules and Regulations,
Commissioners Tinkham, Powell and Rand.

REGULAR MEETINGS OF THE BOARD.

First Friday in each month at 7.30 P. M. at the Superintendent's Office in the Edmunds High School Building.

CLERK.

ELIZABETH A. RICHMOND.

TRUANT OFFICERS.

OLIVER LAMORA, 19 Converse Court.
PETER MERCIER, 34 First Street.

ROLL OF TEACHERS.

WINTER TERM, 1902.

High School.

Principal—Isaac Thomas,	407 College Street.
*Assistant—Effie Moore,	247 Pearl Street.
Assistant—Phebe M. Towle,	19 Orchard Terrace.
Assistant—Annie T. Smith,	212 So. Willard Street.
Assistant—Anna M. Bailey,	31 Lafayette Place.
Assistant—Annie L. Sherburne,	58 So. Willard Street.
Assistant—Abbie K. Leonard,	215 Pearl Street.
Assistant—George M. Brett,	407 College Street.
Assistant—Joseph D. Bartley,	55 Buell Street.
Assistant—Charles E. Putney,	385 So. Willard Street.
Assistant—Fannie H. Atwood,	77 Buell Street.
Assistant—Mary S. DuBois,	27 No. Willard Street.
Assistant—May W. Russell,	433 So. Willard Street.
Teacher of French—M. Fichot,	22 Converse Court.
Teacher of Elocution—Forrest M. Larchar,	Converse Dormitory.

Grammar School.

Principal—Mary E. Wells,	29 So. Willard Street.
*Assistant—Winifred M. Collins,	57 Loomis Street.
Assistant—Mrs. Ellen H. Vilas,	446 Pearl Street.
Assistant—Mary E. Drew,	388 So. Union Street.
Assistant—Adelle I. Lee,	54 So. Willard Street.
Assistant—Mrs. Minnie M. Barker,	North Avenue.
Assistant—Helen G. Hendee,	21 Lafayette Place.

* On leave of absence.

Main Street School.

B and C Primary—Bertha D. Heflin, 45 So. Willard Street.

Converse School.

Principal and C Grammar—Sarah A. Martin, 47 Clarke Street.
A Intermediate—Maria B. Harty, 64 Buell Street.
*B Intermediate—Clara M. Lawrence, 43 Greene Street.
B Intermediate—Mary I. Gregory, 56 Elmwood Avenue.
C Intermediate—Jennie M. Mathews, 40 Pine Street.
A Primary—Nellie D. Butts, 64 No. Winooski Avenue.
B Primary—Clara P. Loomis, 59 King Street.
C1 Primary—Annie A. Smith, 137 Pearl Street.
C2 Primary—Jessie E. Lord, 25 Monroe Street.
Special Assistant—Caroline L. Allen, 52 Pine Street.
Kindergarten—S. Maude Read, Essex Junction, Vt.

Lawrence Barnes School.

Principal and C Grammar—Mrs. Mary B. Mayo, 38 Orchard Terrace.
A Intermediate—Marion E. Bates, Essex Junction, Vt.
B Intermediate—Mae A. Edwards, 21 Weaver Street, Winooski.
C Intermediate—Mary M. Walsh, . . 70 Rose Street.
A Primary—Mrs. Josephine A. Metts, 139 No. Willard Street.
B Primary—Lida M. Lanou, 26 Lafountain Street.
C1 Primary—Emma C. Lanou, 28 Lafountain Street.
C2 Primary,—Mary E. Russell, 38 Orchard Terrace.
Special Assistant—Anna C. O'Malley, 71 King Street.
Kindergarten—Mrs. Laura R. Gardner, 74 So. Union Street.

* On leave of absence.

Pomeroy School.

Principal and C Grammar—Mrs. Kate P. Miller
75 Grant Street.
A Intermediate—Dora E. Smith, 32 Booth Street.
B Intermediate—Anna L. Burnham, 78 No. Prospect Street.
C Intermediate—Mary E. Enright, 132 Colchester Avenue.
A Primary—Maude M. Weeks, 25 Booth Street.
B Primary—Josephine M. Everett, 60 No. Willard Street.
C1 Primary—Frances M. Lewis, 19 School Street.
C2 Primary—Agnes M. Mulqueen, 83 Cherry Street.
Special Assistant—Bertha M. Smith, 133 Loomis Street.
Kindergarten—Edith C. Oakes, 86 Loomis Street.

Adams School.

Principal and C Grammar—Emma J. Chapman,
24 Bay View Street.
A Intermediate—Josephine M. Slayton, 29 No. Willard Street.
B Intermediate—Mary E. Fuller, 36 Front Street.
C Intermediate—Ella J. Barrows, Shelburne Street.
A Primary—Mary A. Farrell, 45 Spruce Street.
B Primary—Nellie Ayling, 75 Monroe Street.
C Primary—Winifred E. Rice, 43 Clarke Street.

Ira Allen School.

Principal, C Grammar, A Intermediate—Cora B. Drew,
82 Grant Street.
B and C Intermediate—Minnie A. Goodell,
8 So. Willard Street.
A and B Primary—Della L. Calvert,
5 Union Street, Winooski.

C Primary—Estelle M. Packard,
78 Main Street, Winooski.

Chase Street Kindergarten.

Teacher—Gertrude M. Wheeler, 229 Colchester Avenue.

Archibald Street Primary.

Principal—Mrs. Lois M. Malaney, 63 Elmwood Avenue.
Assistant—Mary F. Madigan, 89 No. Champlain Street.
Assistant—Mary F. Metcalf, 41 No. Willard Street.

S. W. Thayer School.

Principal—Rosalyn M. Spaulding, Apple Tree Point.
Assistant—Amy H. Hathaway, 339 North Street.

Park Avenue Primary.

Principal—Laura L. Brownell, 78 Grant Street.
Assistant—Ella M. Brownell, 47 Hyde Street.

Lakeside Park.

Primary—Emma A. Robair, 32 North Bend Street.
Kindergarten—Susie A. Beach, 148 College Street.

Winooski Avenue School.

C Intermediate—Ruth E. Vancor, 221 No. Winooski Avenue.
Ungraded—Cornelia C. Underwood, 29 No. Union Street.
Evening School—Julius A. Tellier, Converse Dormitory.

TEACHER OF DRAWING.

Ella K. Herrick, 200 Pearl Street.

TEACHER OF SINGING.

J. H. Humphrey, 433 So. Willard Street.

JANITORS.

Edmunds High School—Francis J. Dunbar, 113 Buell Street.
Engineer—Russell Hallett, 181 So. Union Street.
Grammar School—Henry Rice, 73 No. Willard Street.
Adams and Main Street Primary and Ungraded—
W. H. Watkins, 210 Elmwood Avenue.
Converse School—L. S. Hebb, 85 Bank Street.
Lawrence Barnes School—Joseph Pine, 4 Rose Street.
Pomeroy School—John Lessor, 15 Hyde Street.
Ira Allen School—Edwin Loosemore, 431 Pearl Street.
Archibald Street Primary and Pomeroy Annex—
Madison Paxton, 65 Lafountain Street.
S. W. Thayer School—F. W. Sharpley, North Avenue.
Park Avenue School—W. T. Rockwell, Park Avenue.
Falls School—G. A. Rumsey, Chase Place.
Lakeside Park School—Oliver Mongeon,
Corner Wright and Conger Avenues.

LOCATION OF SCHOOLS.

Edmunds High School—S. E. Cor. Main and So. Union Streets.

Grammar School—N. W. Cor. College and So. Willard Streets.

Main Street School—N. W. Cor. Main and So. Union Streets.

Pomeroy School—S. W. Cor. North and Booth Streets.

Pomeroy Annex—No. Winooski Avenue, near North Street.

Adams School—So. Union Street, between Bay View and Howard Streets.

Adams Annex—So. Union Street, near Howard Street.
Converse School—S. W. Cor. Pine and Cherry Streets.
Lawrence Barnes School—S. W. Cor. North and Murray Streets.
Ira Allen School—Colchester Avenue, near East Avenue.
Archibald Street School—Cor. Archibald and Spring Streets.
Falls School—Chase Street.
S. W. Thayer School—North Avenue.
Park Avenue Primary—Park Avenue.
Lakeside Park—S. W. Cor. Wright and Conger Avenues.

"DURATE."

CLASS DAY PROGRAM.

CLASS OF 1901, BURLINGTON HIGH SCHOOL.
Assembly Hall, Thursday, June 20, 8.00 P. M.

CLASS SONG.
(Air: Fair Harvard.)

At last the time's come when from thee we must part,
Must leave you, to mingle ne'ermore,
In future years life's burdens lightened will be,
By the memory of our days of yore.

Refrain.

We cannot forget our dear class, nineteen one,
For 'round it clings memory's chain,
Tho' far in the distance receding we see,
Those bright hours we'll ne'er live again.

So let us together the praises resound,
Of our school, the dear Edmunds High,
Let voices be lifted in memory dear
Of those times forever gone by.

And in after years as we wander apart
'Mong waves of life's unsettled sea,
Our thoughts will come back to those pleasures of old
And once again mingled we'll be.

D. J. Casey.

CLASS DAY OFFICERS.

President ..... Clyde G. Hilton
Vice-President ..... Bessie M. Child
Secretary ..... Julia B. Thomas
Treasurer ..... Everett S. Towne

PROGRAM.

Music ..... E. H. S. Banjo and Mandolin Club
History ..... Jennie M. Milford
Oration ..... Daniel F. Conway
Poem ..... Daniel J. Casey
Music ..... E. H. S. Banjo and Mandolin Club
Prophecy ..... Mabel L. Southwick
President's Address ..... Clyde Hilton
Music ..... Class Song

PERMANENT ORGANIZATION.

President ..... Harry G. Hicks
Vice-President ..... Carrie A. Bell
Secretary ..... Florence A. Barrows
Treasurer ..... Frank D. Spaulding
Custodian ..... Leicester E. Douglass

CLASS POEM.

Too soon dear Edmund's High the time is come
When from thy fostering arms we pass away;
In after years in different climes to roam
Bound close to each by memory's kindly sway.

Just as the birds when winter bleak draws nigh
  Unwilling , from their summer homes take wing,
So we who clung to thee in days gone by
  Must face the sorrow that our partings bring.

But as the lark when winter fades away,
  Again rejoicing northward cuts the mist,
So shall our thoughts on many future days
  Come floating back to scenes of former bliss.

And now to-night before us let us place
  "Durate," in which word our lot is cast,
Our beacon-light in life's uncertain race,
  "Durate," ever with us to the last.

We've mingled for a time in common aim
  A short sweet space of passing praise and blame,
And gems of memory ever shall we hold,
  To glitter forth the happy days of old.

D. J. Casey.

GRADUATING EXERCISES, CLASS OF '01, BURLINGTON HIGH SCHOOL.

Howard Opera House, Friday, June 21, at two o'clock, P. M.

"DURATE."

PROGRAM.

MUSIC.

Overture—"The Bridal Rose" ..... *Larelle*

ORCHESTRA.

Queen Victoria ..... Jennie Mills Milford
The Lost Dauphin ..... Mabel L. Southwick
A Century's Progress ..... George Nelson Nay

MUSIC.

Hark! Apollo Strikes the Lyre ..... *Bishop*

HIGH SCHOOL CHORUS.

Cleopatra..... ....Julia B. Thomas
Magazine Illustration..... ....Ethel Lord
A Review of the Chinese Situation.....Irving C. Cobb

MUSIC.

Puck, the Fairy..... ....*Bullard*

HIGH SCHOOL CHORUS.

The Two Portias.....M. Elizabeth Durfee
The Roycrofters..... .....Bessie M. Child
Should Immigration to the United States be Restricted?
Everett S. Towne

MUSIC.

We, Free-born Sons of Wodan.....*"Arminius"*

HIGH SCHOOL CHORUS.

PRESENTATION OF DIPLOMAS.

Supt. H. O. Wheeler.

PRESENTATION OF TEACHERS' CERTIFICATES.

County Examiner, John E. Allen.

AWARDING OF PRIZES.

ALUMNI ASSOCIATION PRIZES.

For Scholarship and Deportment.

Classical Course..... .....Howard Chidley
Latin-English Course..... ....Mary Hudson
English Course..... .....Anna Derway

HOWARD EDUCATIONAL FUND PRIZE.

Excellence in Scholarship for the entire course.

First..... ....Mabel Southwick
Second..... .... Susie Hadley
Third ....Nelson Bond

MUSIC.

Amici.....High School Chorus
Opera Music—"The Princess Chic".....*Julian Edwards*

ORCHESTRA.

GRADUATES.

CLASSICAL COURSE.

Mae Louise Clifford
Daniel F. Conway
Kittie Mae Coventry
Henry Hodgdon Elliott
Willis E. Monty
Mabel Louise Southwick
Julia Benner Thomas
Everett S. Towne
Fred Bonar Wright

LATIN-SCIENTIFIC COURSE.

Cora F. Arnold
Florence A. Barrows
Nelson Pease Bond
Lora E. Bunker
Daniel J. Casey
Ellen Weston Catlin
Bessie M. Child
John Joseph Clark
Irving C. Cobb
Mary Elizabeth Durfee
Albert S. Eastman
Caro Florence Goodrich
Susie B. Hadley
Harry Grindrod Hicks
James Pearl Johnson
Ethel Lord
Amy Emily Metcalf
Jennie Mills Milford
Everett Hiram Mott
Charles Leland Patten
Oliver H. Presbrey
Mary Barlow Somers
Frank D. Spaulding
Alice Gertrude Whitten
Walter A. Williams
Mary Elizabeth Wright

ENGLISH COURSE.

James Andrews Atwood
Carolyn A. Bell
Genevieve May Dewey
Leicester E. Douglass
Louis Edwin Fisher
Marie Louise Gulick

Clifford A. Hagar
Eugenia A. Hebert
Albert T. Henderson
Clyde Hilton
Charles T. Metcalf
Adelaide Fay Morrill
George Nelson Nay
Harry S. Perkins
Margaret A. Powers
Rae Sidney Thomson
Mollie Grandey White
Mary Ardelia Yale

EDUCATIONAL COURSE.

Cora F. Arnold
Carolyn A. Bell
Genevieve May Dewey
Caro F. Goodrich
Marie L. Gulick
Susie B. Hadley
Eugenia A. Hebert
Amy E. Metcalf
Adelaide F. Morrill
Margaret A. Powers
Mollie G. White
Alice G. Whitten
Mary E. Wright

EDMUNDS HIGH SCHOOL COMPETITIVE PRIZE SPEAKING,

BY MEMBERS OF THE A CLASS FOR THE PRIZES GIVEN BY THE CLASS OF 1890.

In the High School Assembly Hall, Monday Evening, March 18th, 1901, at 8.00 o'clock.

PROGRAM.

MUSIC.

1. Chinese March, Tan Tan .....*Anthony*
   HIGH SCHOOL BANJO AND MANDOLIN CLUB.
2. The Causes of the Chinese Trouble,
   Margaret A. Powers
3. The Hall of Fame.....Mae L. Clifford
4. Is the War in the Philippines a Mistake or a Crime?
   Daniel F. Conway

5. Historic Lake Champlain.....Mabel L. Southwick

MUSIC.

6. Carnovale ....*Rossini*

HIGH SCHOOL GLEE CLUB.

7. Queen Louise of Prussia.....Ellen W. Catlin
8. Russia's Ambition..... .....Albert S. Eastman
9. Gold (Its History)..... .....Jennie M. Milford
10. The Growth of our Navy.....Everett S. Towne

MUSIC.

11. Waltz, Rose of Mexico..... .....*Dunn*

HIGH SCHOOL BANJO AND MANDOLIN CLUB.

12. Decision of the Judges.

JUDGES.

Hon. C. C. Miller, Rev. C. L. Hall, Mrs. Louise O. Wheeler.

USHERS.

(*Members of the A Class.*)

James A. Atwood, J. Pearl Johnson,
Daniel J. Casey, Willis E. Monty,
Henry H. Elliott, Rae S. Thomson,
Harry G. Hicks, Fred B. Wright.

AWARDING OF PRIZES.

Boys' Prize—Daniel F. Conway.
Girls' Prize—Mae L. Clifford.

CLOSING EXERCISES OF THE GRAMMAR SCHOO

Friday Morning, June 21st, 1901, at 9.00 o'clock.

PROGRAM.

Music—"Morning Hymn," p. 184.....*Bortinansky*
School.

"How He Saved St. Michael's".....*M. A. P. Stansbury*
Mary Agnes Parkhill.
"The Day is Done".....*H. W. Longfellow*
Steenie Johnson.
"Nations and Humanity".....*G. W. Curtis*
Ferdinand John Hilliard.
Music—"Advent of Spring".....*J. H. Jennings*
Pauline Agnes Kent.
"The Courtin'".....*J. R. Lowell*
Mabel Brown.
"Nobody's Child".....*P. H. Case*
Ida May Jones.
"Saxon Grit".....*R. Collyer*
James Edward Smollins.
Music—"Impromptu Mazurka".....*T. Lack*
Emma Mae Brigham.
"The Arsenal at Springfield".....*H. W. Longfellow*
Katherine Frances Byrnes.
"Lincoln".....*J. R. Lowell*
Robert John Fitzsimmons.
"The Bell of Atri".....*H. W. Longfellow*
Ella Mae Mossey.
"The September Gale".....*O. W. Holmes*
Douglas Bradford.
Music—"Berceuse".....*V. Delacour*
Mabel Irene Bissonette.
"The Vision of Sir Launfal".....*J. R. Lowell*
Prelude to Part First, Pauline Agnes Kent.
Part First, Mary Marsh Loomis.

Music—"Merry June" ....*C. Vincent*
School.
Prelude to Part Second, Marion Thomas.
Part Second, Sarah Mabel Chambers.
Music—"Narcissus" ....*E. Nevin*
Maud Stella Thomas.
"The Swan Song" .....*C. R. Brooks*
Raymond Hastings Wiltsie.
"The Mantle of St. John de Matha" .....*J. G. Whittier*
Ethel Pearl Southwick.
"The Leak in the Dike" ....*P. Cary*
Julia Spear Pease.
"The Broomstick Train" ....*O. W. Holmes*
Ruth Votey.
Music—"Stars of Summer Night" .....*W. E. Owen*
School.
"Thanatopsis" ....*W. C. Bryant*
Helene Woodworth.
"The Character of Washington" .....*G. W. Curtis*
Orlow Frederick Prentiss.
"Bobbie Shaftoe" ....*Anon*
Judith Elizabeth Spear.
Music—"Bolero" ....*M. Moszkowski*
Frances Huntington Whitney, Ruth Chamberlin.

PRESENTATION OF CERTIFICATES.

Music—"Come, Let us Raise the Song" ....*A. G. Methfessel*
School.

REPORT

OF THE

Superintendent of Public Schools

To the Honorable the City Council:

GENTLEMEN:—In compliance with the requirements of the City Charter, I have the honor to present the report for the Department of Public Schools, (the thirty-fourth to the City Council, and my twenty-second) for the year 1901.

FINANCIAL STATEMENT.

RECEIPTS.

City appropriation	$56,000 00
Interest on U. S. Deposit fund	2,177 58
Interest on Huntington fund	687 14
Interest on School fund	49 42
Rent of School Lands	122 75
Tuition from non-resident pupils	1,802 00
Sundries	267 30
State Treasurer, State Tax	2,326 42
Rent	611 88
Total	$64,044 49

DISBURSEMENTS.

Teachers' salaries	$36,233 21
Superintendents' salaries	1,600 00
Janitor and cleaning	5,521 30
Repairs	2,415 14
Fuel	5,994 90
Incidentals	4,731 22
Supplies	2,476 57
Furniture	823 04
School census	176 12
Water rates	207 41
Insurance	578 01
Apparatus, maps and charts	1,700 03
Truant officers	200 00
Rent	332 67
Overdraft	982 02
Total	$63,971 64

RECAPITULATION.

Total receipts by city treasurer	$64,044 49
Total disbursements	63,971 64
Surplus in city treasury	$72 85

LAWRENCE BARNES SCHOOL CONSTRUCTION ACCOUNT.

RECEIPTS.

Balance brought forward	$96 84

EDMUNDS HIGH SCHOOL CONSTRUCTION ACCOUNT

Amount disbursed in 1898	$12,310 74
Amount disbursed in 1899	68,718 63
Amount disbursed in 1900	26,911 15
Amount disbursed in 1901	767 30
	$108,707 82

ADAMS SCHOOL CONSTRUCTION ACCOUNT.

Amount disbursed in 1901 ..... $11,203 44

We, the undersigned, have examined the books and vouchers for the year 1901, of H. O. Wheeler, Superintendent of Schools, and find them correct.

GEO. W. BECKWITH,
JOHN C. FARRAR, } Auditors.
THOMAS FAILEY,

In behalf of the Board of School Commissioners, I present the following estimates of receipts and disbursements for the year 1902:

RECEIPTS.

Appropriation	$56,000 00
Interest on U. S. Deposit fund	2,177 58
Interest on Huntington Fund	687 14
Interest on School fund	50 00
Rent from leased land	158 86
Tuition from non-resident pupils	1,500 00
State tax	2,326 42
Rent	150 00
Sundries	150 00
Total	$63,000 00

DISBURSEMENTS.

Teachers' salaries	$39,000 00
Superintendent's salary	1,500 00
Clerk's salary	500 00
Janitors and cleaning	5,500 00
Repairs	2,000 00
Fuel	5,000 00
Apparatus, maps and charts	500 00
Incidentals	2,500 00
Supplies	2,500 00
Furniture	2,500 00
School census	200 00
Water rates	250 00
Insurance	500 00
Truant officers	300 00
Rent	450 00
Total	$63,200 00

VALUE OF SCHOOL PROPERTY.

REAL ESTATE.

As appraised by the City Assessors.

Edmunds High School	130,000 00
Grammar School	40,000 00
Adams School	20,000 00
Pomeroy school	35,000 00
Main Street School	7,500 00
Converse School	45,000 00
Lawrence Barnes School	24,000 00

Archibald Street School	4,500 00
Falls School, Chase Street	1,200 00
Star Hose Building	5,000 00
S. W. Thayer School	8,500 00
Ira Allen School	21,500 00
Lot and house, 148 Colchester Avenue	2,500 00
Total	$344,700 00
Grand list of Burlington	$131,052 82
Population of Burlington, census 1900	18,640

BURLINGTON HIGH SCHOOL SCHOLARSHIP FUND.

RECEIPTS.

Balance from account of 1899	$441 26	
Interest on deposits	7 75	

DISBURSEMENTS.

Paid tuition in the University of Vermont and State Agricultural College		$369 01
Paid tuition in the Burlington High School		80 00
	$449 01	$449 01

Summary—The first payment to the fund was made Nov. 25, 1893, and the last draft upon it, by which it was finally exhausted, was dated Feb. 18, 1901. Below is given a general statement of the entire account.

RECEIPTS.

Subscriptions	$3,946 00
Interest on deposits	215 59

DISBURSEMENTS.

Paid tuition in the University of Vermont and State Agricultural College..	$3,089 01	
Paid tuition in the Burlington High School	1,056 00	
Expenses	16 58	
	$4,161 59	$4,161 59

Thirty-eight students (fifteen girls and twenty-three boys) have been aided by this fund. Twenty-four in the High School and fourteen in the University of Vermont. The amount of assistance received in individual cases has ranged all the way from $12.00, the tuition of a single term in the High School, to $320.00, the tuition of the entire course in the University.

Of the twenty-four High School students, a number are continuing their education in higher institutions of learning. Of the fourteen who received aid in the University, ten have graduated and have already entered professional life or business, but presumably their earnings have not as yet been large. It is confidently expected, however, that by some of these the money received by them will be returned to the fund at no very distant day.

HENRY WELLS, Pres't,
HENRY O. WHEELER,
S. W. LANDON, Treas.,
} Committee of Administration.

We the undersigned, have examined the vouchers and books of S. W. Landon, treasurer of the Burlington High School Scholarship Fund, and find the above statement correct.

GEO. W. BECKWITH,
JOHN C. FARRAR,
THOMAS FAILEY,
} Auditors.

STATISTICS.

The following tables exhibit the condition of our schools, by terms, in respect to enrollment, attendance, regularity, punctuality, etc., and a comparison with the important items in the statistics for the preceding year:

WINTER TERM, 1901.

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance.	Attendance, per ce t.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of Visi
Edmunds High School	Room 1	45	40	89	55	32	10	6	...
	" 3	46	40	87	55	27	13	8	...
	" 4	37	35	93	55	23	1	7	...
	" 6	48	40	83	55	34	0	14	...
	" 7	31	27	87	55	17	8	6	...
	" 9	40	37	93	55	24	15	10	...
	" 12	44	42	95	55	22	3	12	...
	" 14	28	25	89	55	20	0	7	12
Grammar School	Grammar A^1	42	37	88	55	7	6	8	7
	" A^2	42	37	88	55	5	14	7	7
	" A^3	42	38	90	55	14	10	6	7
	" B^1	41	37	90	55	2	4	7	4
	" B^2	34	31	91	55	2	3	9	...
	" B^3	32	29	90	55	3	8	0	2
Main Street	Primary	29	22	76	55	6	0	6	...
Converse School.....	C Grammar	22	19	86	55	7	1	7	3
	Intermediate A	33	31	94	55	8	0	7	8
	" B	36	31	86	55	26	1	3	4
	" C	50	42	88	55	10	13	3	5
	Primary A	45	41	91	55	10	10	2	9
	" B	56	50	80	55	36	3	9	9
	" C^1	59	45	76	55	14	2	0	12
	" C^2	50	38	76	54	19	0	0	10
	Kindergarten	26	20	77	55	8	2	2	6
Lawrence Barnes.....	C Grammar	25	24	96	55	1	0	8	3
	Intermediate A	27	26	63	55	0	6	5	3
	" B	48	44	92	55	3	4	17	3
	" C	68	52	76	54	24	16	8	4
	Primary A	51	46	90	55	7	15	16	1
	" B	45	39	87	55	8	1	4	7
	" C^1	50	43	86	55	9	11	6	7
	" C^2	52	46	88	55	12	2	7	13
	" C^3	32	24	75	55	9	0	6	0
	Kindergarten	26	22	84	55	12	0	2	14
Pomeroy School.....	C Grammar	29	25	86	55	3	7	0	9
	Intermediate A	35	30	86	55	1	2	2	10
	" B	36	32	89	55	8	5	3	5
	" C	48	41	85	55	4	7	4	6
	Primary A	40	35	88	55	4	2	5	6
	" B	44	41	93	55	1	9	7	16
	" C^1	55	45	82	55	13	2	9	14
	" C^2	57	43	75	55	16	0	4	14
	Kindergarten	45	17	38	55	...	...	1	15

WINTER TERM, 1901—*Continued.*

SCHOOLS.	GRADES.	Number Enrolled	Average Daily Attendance.	Attendance, per cent.	Number of Days in Term	Tardiness.	Dismissals.	Scholars with no Absences.	Number of Visitors.
Ira Allen School	C Grammar	12	11	92	55	2	3	0	4
	Intermediate A	16	14	87	55	1	4	1	4
	Intermediate B & C	40	34	85	55	5	2	0	4
	Primary A & B	34	30	88	55	1	3	9	2
	Primary C	32	26	81	55	8	0	2	7
Adams School	Intermediate A	29	26	89	55	0	2	0	6
	" B	29	26	89	55	1	3	6	1
	" C	37	31	84	55	5	4	7	3
	Primary A	28	25	89	55	1	3	9	19
	" B	31	25	81	55	1	10	3	8
	" C	68	54	79	55	7	1	4	11
	Kindergarten	15	9	60	55	6	...	...	5
Archibald Street School	Primary A	23	21	91	55	5	11	5	16
	" B	28	24	86	55	3	0	3	6
	" C	72	54	75	55	26	2	4	4
S. W. Thayer School	Gram. & Inter.	17	15	89	55	44	1	2	0
	Primary A & B	17	13	76	55	15	1	2	2
Park Avenue School	Primary A & B	29	22	76	55	20	11	0	1
	Primary C	44	27	62	55	12	0	0	2
Star Hose	Evening	21	8	39	60	0	0	0	0
Falls School	Kindergarten	16	13	81	55	12	0	4	10
Ungraded		22	15	68	55	12	0	0	0
Totals		2431	2032	84	.....	698	277	321	370

SPRING TERM, 1901.

Edmunds High School	Room 1	44	41	93	60	35	32	6	
	" 3	43	39	91	60	14	17	16	
	" 4	38	35	97	60	24	8	8	
	" 6	43	41	95	60	12		11	
	" 7	29	25	87	60	11	11	6	
	" 9	37	34	90	60	9	3	9	
	" 12	42	39	93	60	9	5	19	
	" 14	26	25	96	60	19	3	9	9
Grammar School	Grammar A^1	41	37	92	60	6	22	8	10
	" A^2	41	37	92	60	9	30	12	8
	" A^3	41	38	94	60	12	19	14	8
	" B^1	41	37	91	60	3	4	10	2
	" B^2	33	29	88	60	3	2	9	11
	" B^3	28	25	90	60	5	11	...	3
Main Street	Primary	28	23	87	50	1	0	9	8

SPRING TERM, 1901—*Continued.*

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance.	Attendance, per cent.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of Visitors.
Converse School	C Grammar	21	18	89	60	7	4	3	8
	Intermediate A	31	29	95	50	6	...	13	1
	" B	35	31	89	50	9	9	5	7
	" C	44	39	89	50	7	26	9	8
	Primary A	46	40	87	50	8	25	6	7
	" B	53	43	80	50	16	16	8	10
	" C^1	54	43	80	50	12	2	5	30
	" C^2	50	35	70	50	21	...	3	8
	Kindergarten	42	29	71	50	12	...	2	21
Lawrence Barnes	C Grammar	26	22	88	60	8	4	10	6
	Intermediate A	26	25	96	50	10	13	9	7
	" B	43	41	95	50	8	20	13	3
	" C	53	45	85	50	25	32	13	5
	Primary A	47	44	94	50	7	17	21	13
	" B	43	39	93	50	15	2	21	6
	" C^1	56	51	92	50	23	10	20	11
	" C^2	48	43	90	50	10	3	9	15
	" C^3	44	29	82	50	18	...	10	2
	Kindergarten	33	27	82	50	13	...	3	18
Pomeroy School	C Grammar	27	24	91	60	9	6	3	55
	Intermediate A	35	31	89	50	2	7	7	5
	" B	37	34	92	50	11	10	7	5
	" C	44	38	87	50	4	3	11	6
	Primary A	40	35	87	50	1	2	9	5
	" B	44	39	89	50	...	5	11	7
	" C^1	63	54	86	50	5	7	12	8
	" C^2	69	58	85	50	17	2	9	7
	Kindergarten	38	26	69	50	...	...	5	42
Ira Allen School	C Grammar	13	12	92	60	...	3	2	20
	Intermediate A	15	14	95	50	1	5	4	19
	Intermediate B & C	38	35	91	50	1	15	5	6
	Primary A & B	34	33	97	50	8	3	11	12
	Primary C	38	35	96	50	5	...	16	18
Adams School	Intermediate A	29	26	91	50	4	3	11	25
	" B	29	26	91	50	4	...	9	4
	" C	33	29	89	50	6	2	6	5
	Primary A	31	27	85	50	6	1	12	46
	" B	30	24	82	50	3	9	6	87
	" C	77	64	84	50	...	8	16	76
	Kindergarten	20	14	61	50	14	...	...	12
Archibald Street School	Primary A	26	21	84	50	3	7	5	23
	" B	27	23	86	50	4	2	5	17
	" C	76	63	83	50	10	5	7	11

SPRING TERM, 1901—*Continued.*

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance	Attendance, per cent.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of Visitors.
S. W. Thayer School...	Gram. & Inter.	16	14	92	50	25	6	3	9
	Primary A & B	19	15	80	50	7	...	...	13
Park Avenue	Primary	26	18	70	50	20	10	...	5
	Primary A & B	48	34	63	50	18	13	6	15
	Primary C	48	37	78	50	11	...	8	14
Falls School	Kindergarten	16	14	89	50	20	...	3	4
Ungraded		23	14	62	50	18	...	...	1
Totals.....		2459	2109	86	...	644	483	538	727

FALL TERM, 1901.

Edmunds High School	Room 1	48	46	97	75	18	4	22	1
	" 3	50	47	82	75	48	16	13	7
	" 4	46	42	87	75	30	17	11	...
	" 6	48	44	88	75	47	9	7	...
	" 7	46	42	88	75	7	7	19	...
	" 9	48	44	82	75	39	4	16	70
	" 12	46	43	93	75	23	2	19	8
	" 14	45	38	84	75	37	6	18	...
Grammar School	Grammar A^1	37	34	93	75	8	7	11	6
	" A^2	36	31	86	75	13	14	6	6
	" A^3	37	33	91	75	9	30	7	6
	" B^1	36	32	91	75	1	2	16	30
	" B^2	34	29	87	75	4	2	8	18
	" B^3	33	27	88	75	4	7	6	2
Main Street	Primary	28	25	94	75	1	...	9	4
Converse School.....	C Grammar	26	22	84	75	7	1	8	25
	Intermediate A	27	24	90	75	14	...	7	30
	" B	38	31	82	75	14	1	6	31
	" C	42	36	86	75	7	11	9	24
	Primary A	59	47	84	75	27	36	5	15
	" B	43	36	85	75	25	7	6	39
	" C^1	55	37	68	75	16	4	5	47
	" C^2	55	34	62	75	22	...	4	16
	Kindergarten	29	20	70	75	6	...	4	31
Lawrence Barnes.....	C Grammar	20	18	90	75	1	...	8	11
	Intermediate A	25	21	84	75	7	1	6	7
	" B	32	25	77	75	11	5	6	10
	" C	46	35	76	75	7	3	4	22
	Primary A	39	33	86	75	6	8	5	32
	" B	43	30	71	75	5	...	2	4
	" C^1	43	31	71	75	14	6	3	23
	" C^2	65	39	65	75	21	1	4	14
	Kindergarten	40	28	71	75	15	...	1	25

FALL TERM, 1901—*Continued.*

SCHOOLS.	GRADES.	Number Enrolled.	Average Daily Attendance.	Attendance, per cent.	Number of Days in Term.	Tardiness.	Dismissals.	Scholars with no Absences.	Number of Visitors.
Pomeroy School	C Grammar	30	24	82	75	2	5	2	28
	Intermediate A	33	29	89	75	5	6	8	18
	" B	43	39	92	75	2	9	10	14
	" C	40	37	92	75	4	8	4	24
	Primary A	39	34	89	75	2	1	8	16
	" B	59	54	92	75	8	1	18	40
	" C^1	56	48	85	75	18	17	9	32
	" C^2	57	44	77	75	13	1	...	17
	Kindergarten	37	23	62	75	...	...	1	29
Ira Allen School	C Grammar	13	12	95	75	1	3	4	4
	Intermediate A	15	14	94	75	2	1	3	4
	Intermediate B & C	41	38	94	75	2	10	7	15
	Primary A & B	35	31	88	75	5	...	2	19
	Primary C	26	21	87	75	5	...	2	22
Adams School	C Grammar	15	14	95	75	2	1	6	11
	Intermediate A	22	20	92	75	3	2	6	13
	" B	29	25	85	75	9	1	3	2
	" C	27	24	89	75	6	2	7	4
	Primary A	57	54	88	75	5	4	12	9
	" B	24	18	75	75	2	4	...	7
	" C	31	21	68	75	13	...	...	15
Archibald Street School	Primary A	31	26	86	75	9	7	2	14
	" B	23	19	82	75	4	2	2	14
	" C	71	52	74	75	23	2	3	14
S. W. Thayer School	Gram. & Inter.	18	16	89	75	25	1	...	11
	Primary	15	13	86	75	15	3	...	12
Park Avenue	C Inter. & A Prim.	23	16	72	75	13	21	1	6
	B & C Prim.	32	20	62	75	20	2	...	6
Lakeside Park	Primary C	82	59	72	75	27	1	10	13
	Kindergarten	32	19	62	75	2	...	2	11
Falls School	Kindergarten	16	8	65	75	9	1	...	17
Star Hose	Intermediate C	17	12	75	75	10	1	2	3
	Evening	26	15	56	25	14	4	...	1
Ungraded		16	8	55	75	12	...	...	1
Totals		2476	2011	81	...	806	332	415	1030

COMPARISON WITH STATISTICS OF 1900.

	WINTER TERM.				SPRING TERM.				FALL TERM.			
	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Scholars with no Absences.	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Scholars with no Absences.	Number Enrolled.	Average Daily Attendance.	Attendance per cent.	Number of Scholars with no Absences.
Totals in 1901.....	2431	2032	82	321	2459	2109	88	538	2476	2011	82	415
Totals in 1900.....	2380	2036	86	358	2366	2197	94	409	2588	2207	85	369
Gains in 1901.....	51				93			129				46
Losses in 1901.....		4	4	37		88	6		112	196	3	

REPORT OF CHARLES E. ALLEN, City Clerk,

TO THE STATE SUPERINTENDENT

For the Year Ending March 31st, 1901.

TABLE I—SCHOOLS.

How many "legal schools" maintained in your town since April 1, 1900?	64
How many graded schools in town?	City graded system
How many schools of less than 28 weeks in town?	2
How many schools of 36 weeks or more?	64
What was the aggregate number of weeks of such schools as had less than 28 weeks each?	25
What was the aggregate number of weeks of schools having 28 or more weeks?	2340
What was the aggregate number of weeks of all public schools in town?	2365
What was the average number of weeks of schools having 28 or more weeks?	36.5
How many school houses of only 1 school and *one* teacher?	3
How many school houses of 2 schools and *two* teachers?	4
How many school houses of 3 schools and *three* teachers?	1
How many school houses of 4 or more schools and *four* or more teachers?	7

TABLE II—SCHOOL CENSUS.

How many children in *town* between 5 and 8 years of age?	1060
How many children in *town* between 8 and 15 years of age?	2345
How many children in *town* between 15 and 18 years of age?	998
What is the sum of the three preceding questions?	4403
How many *boys* in town between 5 and 18 years of age?	2170
How many *girls* in town between 5 and 18 years of age?	2233
How many children were enrolled upon registration page at back of registers who are now non-residents of the town or were non-residents at time of census enumeration this year?	Estimate, 75

TABLE III—SCHOOL ATTENDANCE.

How many children between 5 and 8 years of age *have attended school?*	921
How many children between 8 and 15 years of age *have attended school?*	1472
How many children between 15 and 18 years of age *have attended school?*	461
What is the sum of the three preceding questions?	2854

How many *boys* between 5 and 18 years of age have attended school?	1470
How many *girls* between 5 and 18 years of age have attended school?	1384
What was the aggregate total attendance of all pupils between 5 and 18 years of age?	367875.5
What was the average number of days of attendance of all pupils?	127
What was the average number of days of school for all schools in town?	182
What was the average attendance per day?	2021.3

TABLE IV—RESOURCES.

What is the grand list of your town?	$132,221.57
What per cent of the grand list was raised last year for school purposes?	42%
What was the amount raised thereby?	55,300.00
What amount was received from the Huntington fund?	555.99
What amount was received from the U. S. Deposit Fund?	1,761.97
What amount was received from the 5 per cent State tax in July, 1900?	2,113.17
What amount was received in tuition from other towns or districts?	1,077.00
What amount was received from other sources?	1,447.62
What is the sum of the six preceding questions?	62,255.75
How much, if any, is your town in debt for repairs and new school buildings?	185,000.00

TABLE V—EXPENDITURES.

What amount was paid for teachers' wages including board for the year?	$33,762.86
What amount was paid the Superintendent of Schools for services?	1,500.00
What amount was paid the School Directors for services?	Nothing
What amount was paid for reference books, supplies and appliances?	2,830.39
What amount was paid for incidentals and insurance?	5,635.80
What amount was paid for fuel?	4,122.74
What amount was paid for janitor services?	4,995.00
What amount was paid for furniture?	4,152.18
What is the sum of the eleven preceding questions?	56,998.97
What amount was paid for repairs?	5,256.78
What amount was paid for new buildings?	26,911.15
What is the sum of the three preceding questions?	89,166.90
The answer to the preceding question is what per cent of the grand list?	67%
What was the cost per week of the schools in your town?	24.10
What was the cost per pupil?	19.96

TABLE VI—SCHOOL HOUSES AND SUPPLIES.

How many school houses in your town?	13
How many school houses used for school purposes during whole of the past year? Including 2 rented buildings	15
How many new school houses have been built the past year? High School building complete	1
How many school houses have been repaired the past year?	4
How many school houses have been furnished with new supplies?	15
How many are furnished with dictionary or books of reference?	15
How many are furnished with charts, globes, or maps?	15
How many have a library?	All have small libraries

TABLE VII—TEACHERS.

How many different male teachers have been employed the past year?	8
How many different female teachers have been employed the past year?	72
What was the average wages per week, including board, of female teachers?	11.70
How many teachers have attended Normal Schools?	19
How many teachers are graduates of Normal Schools?	16
How many teachers retained in the same school only 1 term?	3
How many teachers retained only 2 terms in the same school?	2
How many teachers retained only 3 terms in the same school?	8
State, in years, the longest time that a teacher has been employed in the same school?	*28⅔
How many teachers are college graduates?	15

TABLE VIII.

How many schools were closed 1 term only?	1

TABLE IX—MISCELLANEOUS.

How many visits were made by the Town Superintendent?	306
How many visits were made by the School Directors?	76
Has a central school been maintained in your town according to Sec. 687?	Yes
Is there a public library in your town?	Yes
How many volumes?	32000
Is there a Parochial school in your town?	Yes
What is the number of attendants above five years of age?	About 1200
Is there a private school, not a Parochial school, an academy or seminary, in your town?	Yes
What is the number of attendants above five years of age?	About 56
Is there a kindergarten school in your town? 4 public, 1 private	Yes

*Miss Mary E. Wells.

What is the estimate number of pupils from your town attending high schools, academies or seminaries in other towns? ..... Very small
Have teachers' meetings been held by your Town Superintendent during the past year? ..... Yes
Has a town school, or an exhibition by all schools in town, been held during the past year? ..... No

TABLE X—SCHOOL OFFICERS FOR THE SCHOOL YEAR, 1900—1901.

FREDERICK E. BURGESS, Chairman, HENRY C. TINKHAM, M. D., GEORGE B. RAND, WALTER S. VINCENT, M. D., MAX L. POWELL, Clerk, HENRY O. WHEELER, City Supt.,	School Board.

THIS IS TO CERTIFY, That there have been maintained in this town for the school year ending March 31, 1901, 64 legal schools of 28 or more weeks.

CHARLES E. ALLEN, City Clerk,
City of Burlington, County of Chittenden.

Date, July, 1901.

SCHOOL YEAR, APRIL 1, 1900—MARCH 31, 1901.

BURLINGTON, VT., March 30, 1901.

To the City Clerk, City of Burlington:

DEAR SIR:—In response to the request of the Superintendent of Education, I herewith submit the following statistics, derived from the census of children of school age in the city school district, taken in the month of March, 1901, in conformity to Sec. 680, Vt. Stat., as amended in 1898.

Between "5 and 8 years" means from fifth to eighth anniversary of birth.

1.	Number of children in *city* between 5 and 8 years of age....	1060
2.	Number of children in *city* between 8 and 15 years of age...	2345
3.	Number of children in *city* between 15 and 18 years of age..	998
4.	Number of children in *city* between 5 and 18 years of age (sum of three preceding questions).....	4403
5.	Number of boys in *city* between 5 and 18 years of age.....	2170
6.	Number of girls in *city* between 5 and 18 years of age.....	2233

Respectfully yours,
D. C. HAWLEY,
Clerk of the City School Board.

SCHOOL SAVINGS.

Burlington Trust Company's statement of School Savings accounts:

Balance January 1, 1901		$4,252 90
Total deposits since January 1, 1901		632 76
		$4,885 66
Total withdrawals since January 1, 1901		439 63
Balance January 1, 1902		$4,446 03
Amount standing to teachers' credit		76 61
Balance of School Savings		$4,522 64
Number of accounts open at last report	643	
Number of accounts opened during the year	61	
Total	704	
Number of accounts closed during the year	47	
Total number of accounts open Jan. 1, 1902	657	

The deposits from the schools have been as follows:

Grammar School	$ 8 90
Main Street Grammar No. 1	
Main Street Grammar No. 2	
Main Street Primary	5 28
C Grammar, Converse	
A Intermediate, Converse	75
B Intermediate, Converse	4 91
C Intermediate, Converse	14 27
C 1st Primary, Converse	42 66
C 2nd Primary, Converse	18 61
B Primary, Converse	40 37
C Primary, Converse	49 64

Converse Kindergarten	16 15
Lawrence Barnes School	42 21
Pomeroy School	148 61
Adams Intermediate	3 47
Adams Primary	7 40
Archibald Street School	79 43
Ira Allen School	4 49
S. W. Thayer School	
Park Avenue School	
Total received during the year	487 15
Amount received directly from pupils	145 61
Total deposits for year 1901	$632 76

TEACHERS.

The educational institutions represented by our teachers, as graduates or as partial course students, are as follows, viz:

University of Vermont and State Agricultural College	11
Yale University	1
Bowdoin College	1
Amherst College	1
Dartmouth College	1
Smith College	1
University of Michigan	1
University of Minnesota	1
Wellesley College	1
University of Paris	1
Burlington High School	23
Boston Girls' High School	1
Johnson, Vt., State Normal School	2
Oswego, N. Y., State Normal School	10
Brockport, N. Y., State Normal School	1
Potsdam, N. Y., State Normal School	2

Salem, Mass., State Normal School	2
Willimantic, Conn., State Normal School	2
Worcester, Mass., State Normal School	1
Windsor, Vt., High School	1
Roxbury, Mass., High School	1
New Hampton Institute, Fairfax, Vt	1
Mrs. J. H. Worcester's Seminary	1
J. S. Cilley's Academy, Williston	1
Essex, Vt., Classical Institute	1
Castleton, Vt., Academy	1
Troy Conference Academy, Poultney, Vt	1
Mount St. Mary's Academy	1
Chauncy Hall Kindergarten Training School, Boston	1
Temple College Kindergarten Training, Philadelphia	1
Miss Fisk's Kindergarten Training School, Montpelier, Vt	1
The Elliman Kindergarten Training School	1
	77

SCHOOL PROPERTY.

During the past year some of the school property has been greatly improved.

At the Edmunds High School, the physical and chemical laboratories have been prepared for use, the rooms for the botanical and biological laboratories have been finished and a good beginning has been made in the equipment of all the laboratories. Although considerable apparatus has been provided, much more will be required, which can be added from time to time to meet demands as they may arise.

Great changes have been made in the High School grounds. The original plan involved a terrace around the building with direct walks from Main and South Union streets

to the north and west entrances and stone steps leading up to the building.

The execution of this plan, including the stone work, would have been expensive, and the plan itself was objectionable to many.

The School Commissioners, after careful consideration of the matter, decided to change the plan of grading, by doing away with the terrace, direct walks and stone steps, and substituting therefor a gradual incline to the streets, and easy curved approaches to the north, west and south entrances.

By the present plan, access to the building is much easier and more convenient than before, and the appearance of grounds and building is generally considered to be greatly improved.

Late in the season a large amount of shrubbery was planted which will add beauty to this school property in which our people justly take so great pride.

The use of this building another year confirms our first impression as to its being admirably adapted to its purpose.

In connection with the grading another effort was made to protect the building from water by sinking a deeper drain than that laid before, east of the building. It is hoped that this effort will prove successful.

ADAMS SCHOOL.

In my last report it was stated that the School Commissioners recommended that the Adams School be converted into an eight room building by a change similar to that employed at the Pomeroy School.

Plans for such a transformation were drawn by Mr. W. R. B. Willcox, but the present School Commissioners, after thorough investigation, taking into account appearance, size, accommodations and cost, decided that it would be for the interest of the city to construct a new building. Mr. Willcox

submitted plans for a new building embodying the features desired by the Commissioners, and they were approved and adopted.

Bids were called for, and the contracts for construction were awarded to William Cayea for general construction, and to The G. S. Blodgett Co. for warming, ventilating and plumbing, they being the lowest bidders.

Soon after the close of last school year, the old building was demolished, and the work of construction was begun. The construction is progressing favorably under the very competent supervision of Mr. George B. Rand. It is expected that the building will be ready for occupancy early in the Spring term, and the different classes composing the school will be installed in their new home before the close of the year. Thus far the classes of this school have been widely distributed. The ungraded school went back to the Star Hose building, and the C Grammar and A Intermediate classes were placed in the Grammar Annex building; the B and C Intermediate classes were assigned to rooms in the Edmunds High School; the A and B, and a part of C Primary classes to the Howard Hose building, and the lower division of C Primary to the dwelling house formerly occupied by Mr. C. W. Brown, 530 South Union street. This assignment has been inconvenient, and teachers and pupils have been subject to great discomforts, but they have cheerfully made the best of the unfavorable situation.

In making provisions for the Adams School pupils as indicated, it was found to be necessary to give up temporarily the Kindergarten connected with the school. This, I trust, will be re-opened on completion of the new building.

On completion of the Adams School a general system of schools of this character will have been established, and to this system additions can be made as the needs of the City may require. From a financial standpoint I regret to add that such

additions, unless all indications are misleading, must soon come.

The usual incidental repairs, necessary for the proper appearance and preservation of the school property were made in other buildings, but nothing else worthy of special mention was done.

LAKESIDE PARK SCHOOL.

In the report of last year it was mentioned that the School Commissioners had arranged for rooms for a school at Lakeside Park. These rooms are in a building erected and owned by the Queen City Cotton Company, situated on the south west corner of Wright and Conger Avenues. This school was opened at the beginning of last Spring term and placed in charge of Miss Laura L. Brownell, assisted by Miss Emma A. Robair. The need of this school was evidenced by the fact that there were ninety-six (96) pupils in the school the first term. Miss Ella M. Brownell was appointed to the Park Avenue School which had an attendance of twenty-six (26) that term.

At the beginning of the Fall term, a Kindergarten was opened in connection with the Lakeside Park school, and the combined enrollment of C Primary and Kindergarten was one hundred and fourteen (114).

The B and A Primary and C Intermediate pupils from this section of the City were sent to the Park Avenue school in which the enrollment for the term was fifty-five (55).

Thus there were one hundred and sixty-nine (169) pupils cared for in these two buildings—both of which were rented by the city.

It is evident that the city cannot safely depend upon such accommodations for present needs, and with the prospect of

new industries in this vicinity, the demand for adequate and suitable school rooms here is greatly accentuated.

The opening of a Kindergarten at Lakeside Park was a very beneficient act. In no other part of the city is there so great need of a Kindergarten—and the choice of Miss Susie A. Beach for Kindergartner was a fortunate one. Miss Emma A. Robair was assigned to the Primary division of this school, and her command of the French language has been well nigh an essential qualification for the position.

At the beginning of the year Miss Laura L. Brownell and Miss Ella M. Brownell were assigned to Park Avenue School, to which all pupils of this section above the C Primary grade were sent.

To have required the C Intermediate pupils of this school to go to the High School would have been practically prohibitive of their attendance at school. The present arrangement is manifestly a great convenience to the pupils of this part of the city.

STAR HOSE INTERMEDIATE.

Attention was directed in last year's report to the overcrowded condition of the C Intermediate class in the Lawrence Barnes School, due to the reception of pupils in that grade from the Lawrence Barnes and Archibald Street A Primary classes.

To avoid this congestion the pupils passing from the A Primary grade in Archibald Street School to the C Intermediate grade were sent at the beginning of the Fall term to the Star Hose building, and Miss Ruth E. Vancor was assigned to the school. The opening of this school was a great relief to the Lawrence Barnes School. But having two schools, the C Intermediate and Ungraded, under two teachers in the same room at the same time is an arrangement which has been simply tolerated because of necessity.

On the completion of the new Adams School, the Ungraded school can return to the Grammar Annex building. This is the most central and, therefore, convenient location for such a school which the city now affords.

ARCHIBALD STREET PRIMARY.

Your attention was called in my last report to the crowded condition of the Archibald Street Primary School. That condition not only continues but grows constantly worse. The enrollment for the last Spring term in this school was one hundred and twenty-nine (129), for the last Fall term one hundred and twenty-five (125), and during the present term, when visiting the school, an attendance that day of one hundred and seventeen (117) was reported to me.

One hundred and eight desks are crowded into the assembly room, and daily, twice as many pupils occupy the recitation rooms as should be accommodated in them.

Justice to this part of the city, and the comfort, health and proper educational care of the children in it, all unite in demanding a commodious and well appointed building for the district.

GENERAL CONDITIONS.

With but few changes in course of study, in text books and in teachers employed, the work of the schools has been substantially like that of the last few years. Moreover, the work of our schools, in general scope and method, is very much like that of other cities of our country of similar size and conditions. Pupils pass from our schools and enter corresponding grades in other cities, and come from other cities and enter corresponding grades in our schools, and usually our schools do not suffer in comparison with other schools in this exchange of pupils. There is sometimes a difference of emphasis, and sometimes an unimportant change in order of

studies—but these differences are usually of little consequence.

Very little stress has been placed by us upon mere exhibition work, and our main effort has been directed to an all-round symmetrical training.

For many years it has been the policy of our Board of School Commissioners to secure good representatives from the best Normal and training schools in this and other States, and a glance at the list of the institutions from which our teachers have come, will show the wide range of the higher educational institutions from which we have drawn.

This course,we believe,is far better than that which requires a School Board to provide teachers from a single source. Our policy secures the best characteristics in instruction, training and spirit from many institutions, and the composite effect upon our schools is of great value. In this way we are helped to keep out of ruts, and to avoid a dull monotony.

READING.

We are constantly adding to our reading matter. The independence in reading acquired by our pupils under the synthetic, phonic method followed, makes it advisable to provide a larger amount of reading material, and we are therefore often adding to our stock of reading books, selected from regular series of readers, or complete works from standard authors.

During the last term we went farther than ever before in the direction of high class reading, by introducing some of our sixth and seventh grades to several of the plays of Shakespeare. These young pupils read Shakespeare, under the guidance of their teachers, with a degree of interest and of intelligent appreciation which was as gratifying as it was surprising. And yet it need not have been surprising for we ought long ago to have learned that it is very difficult to place a limit to what young children may perceive and know and do. We are more

likely to fail, I think, in depreciating than in over estimating the intelligence and capacity of children.

LANGUAGE.

There is still need of making language and grammar of practical value to the pupils. It is a matter of some importance to name and define the different parts of speech, but the ability to do this stops far short of the proper goal, if the pupil does not apply his knowledge in his every day oral and written use of language, and thus make use of good English.

Our teachers are constantly exerting themselves to accomplish this result. The extent and variety of reading matter below the High School, and the great increase in English work in the High School must, with the other means employed, result in substantial improvement in the general use of language.

MATHEMATICS.

In mathematics, from the lowest Primary grade to the High School, our effort is to adapt the work to the different grades, and to connect the work with practical problems suited to the grades. And we seek to do this in such a way as to associate the subject in the minds of the pupils with matters of interest and value to them. Mental arithmetic we keep prominent, but I am satisfied that more emphasis still should be placed upon this method of presenting simple mathematical processes and calculations. An effort will be made for a more systematic, regular and thorough training in this subject. As a means of teaching pupils to think logically, I doubt if there is anything superior to mental arithmetic.

DRAWING AND MUSIC.

For particular information in Drawing and Music you are referred to the reports of the special teachers, Miss Ella K.

Herrick and Mr. J. H. Humphrey. Much interest has been manifested during the year in both subjects.

Much more attention has been paid lately than formerly to the artistic side of drawing, and work in colors is much more prominent now than it was only a few years ago. On this account probably, drawing appeals to the pupils more forcibly than it did when in color they were confined to white and black, and in form to straight lines and angles mainly.

In connection with the State Teachers' Association in this city last November, an exhibition of drawings from the schools of St. Johnsbury, Montpelier and Burlington was made which was very creditable to the schools represented.

Mr. Humphrey with a part of the High School Chorus, contributed to the interest of the meetings of the Association by furnishing music for some of the sessions. Their service was very creditable.

The character of the work in both Drawing and Music during the year has been very gratifying.

INTERRUPTIONS.

Last term was subject to serious interruptions. The assassination of President McKinley was not only a matter of absorbing interest, but it cast such a gloom over the country that close attention to school work was impossible for several weeks. No class of our people mourned the death of our President more sincerely than did the school children and upon no class was there a deeper impression of the enormity of the crime of the anarchist than upon the school children.

SMALL POX.

A little later that dreaded disease, small pox, broke out, and all the schools were closed two weeks, and the Lawrence Barnes School three weeks, to guard against the spread of the disease through the schools. The prevalence of this disease

not only caused great irregularity in attendance, but considerably reduced attendance for the term.

Under the circumstances, it cannot be expected that the work of the term, either in quantity or quality, will be equal to that of other Fall terms. I have been very much gratified, however, to see how nearly up to the usual standard our teachers have brought their work. That they have done this, speaks very emphatically for the steadiness, ability and the faithfulness of our teachers.

Necessarily in the condition which has existed during the past few months, many perplexing questions have been presented to the teachers for action and decision. That these matters have been met with delicacy and discretion and yet with firmness is highly creditable to the teachers, and for the good judgment which they have shown, and the success which has attended their efforts, I wish to congratulate them and to thank them heartily.

STATE TEACHERS' CONVENTION.

The fifty-second annual meeting of the Vermont State Teachers' Association was held in Burlington, November 21-23. Our schools remained in session the 21st and thus gave teachers from other parts of the State an opportunity of visiting them, of which many availed themselves. Our teachers entered heartily into the arrangements for receiving and entertaining the visiting teachers and thus contributed greatly to the enjoyment of the meetings. The occasion was a pleasant and profitable one for our schools.

SCHOOL ROOM DECORATION.

Occasionally by gifts from friends, but oftener by the efforts of teachers and puils, aided sometimes by the School Board, our school rooms have been decorated with statuary and

pictures. It has been a pleasant custom for classes when promoted or when graduating to leave a memorial in the form of a picture or a piece of statuary. But recently so large an addition to the number of pictures in our school rooms was made that it is worthy of special mention. In connection with the meeting of the State Teachers' Association, an opportunity came to have an exhibition of fine photographic reproductions of beautiful pictures from "The Soule Art Company" of Boston. A small admission fee was charged to those not members of the State Association, and the different schools were allowed to sell tickets with the understanding that each school should have the benefit of its own sales. The exhibition was very interesting and attracted a large number of patrons, and resulted in securing nearly forty (40) pictures for our schools. The exhibition itself was of great educational value to the large number of pupils who saw it. To the people who aided in this enterprise, I wish to express our thanks. The pictures have been appropriately framed and now adorn our school rooms.

A list of pictures obtained and their distribution among the schools, will be found below:

HIGH SCHOOL.

Caritas ..... *Thayer*
Interior of Coliseum.
Looking down the Canyon from Grand View Trail.
Looking across the Canyon from the head of Grand View Hotel.

CONVERSE SCHOOL.

Merced River.
Outlying Reef ..... *McCord*
The Gleaners ..... *Millet*
Coliseum and Arch of Constantine.
Kittens in a Hat ..... *Dolph*

Children of the Shell ..... *Murillo*
Angels' Heads ..... *Reynolds*
Henry W. Longfellow.
Surf at Nahant, Mass.
Shepherdess Knitting.

POMEROY SCHOOL.

Pharaoh's Bed.
Children of the Shell ..... *Murillo*
The Shepherdess ..... *Millet*
Arch of Constantine.
Sunset Glow ..... *Riecke*
Vernal Falls, Yosemite Valley.

ADAMS SCHOOL.

Swift and Stella ..... *Dicksee*
Arch of Constantine.
Children with a Picture Book ..... *Vogel*
St. Paul's Outside the Walls; interior.
Merced River.
By the Riverside ..... *Lerolle*
The Shepherd and his Friends ..... *Knight*
Desdemona's Palace ..... *Sheppard*
Alhambra, Court of Lions.
Choosing the Caskets ..... *Barth*

IRA ALLEN SCHOOL.

Cat and Kittens ..... *Ronner*
Evening in the Harbor ..... *McCord*
Children of the Shell ..... *Murillo*
Lower Falls.
Sheep in Picardy ..... *Thompson*
Avenue of Trees ..... *Hobbema*
Surf at Nahant, Mass.
Castle and Bridge of St. Angelo...

INDUSTRIAL TRAINING.

Burlington, I regret to say, is behind many cities in our country in respect to Industrial Training. In some places industrial training is made a part of the required course of instruction—as cooking or needle work for the girls, and Sloyd, carpentry, or metal work for the boys. Attempts have been made at different times to introduce this kind of work into our schools, and while they met with some degree of success, yet they did not accomplish as much as we hoped they would. In my judgment, there should be no longer delay in taking an advance step in this direction. Such work, while an added burden to some, would interest, encourage, stimulate and strengthen a large number of pupils. The effect of the introduction of industrial training into public schools, has, so far as I have observed or learned, been favorable upon school work generally. This has seemed to me a particularly opportune time to present this matter, because the buildings upon the Edmunds property, which are now vacant, would afford rooms and good facilities for introducing and pursuing any of the lines of work suggested. The buildings could be prepared and equipped at comparatively little expense. The course of instruction in our schools would be broadened and improved, all of our pupils coming within the scope of the training would be benefited to some extent, and many would be benefited to a great extent. The tendency of some pupils to leave school for the purpose of *doing* something would be counteracted, and they would remain in school to enjoy its advantages for a longer time. The ability for self-support, and for useful careers would be cultivated and the contributions of the Burlington schools to good citizenship would be greatly increased.

Can any better use of this valuable property be made? Or can anything be done more in harmony with the spirit of its conveyance to the city by Mr. Edmunds, than by utilizing it

in the way here suggested? I trust this matter will receive favorable consideration.

HIGH SCHOOL.

For particular information in regard to the High School, you are referred to the report of the Principal, Mr. Isaac Thomas.

The enrollment for the last Fall term shows an increase of fifty-one (51) over that of the corresponding term in 1900. This gives evidence of the attractive power of the good new building with its equipment, and the consequent superior advantages which it offers. The school is in good condition and is doing a noble work.

DISCIPLINE.

Very few cases of discipline have been brought to the attention of the Superintendent during the past year. No cases of permanent exclusion from school have occurred—and temporary suspensions have been rare. In most cases when parents and teachers meet to consider matters of discipline, they recognize in each other a common purpose and effort for the good of the child, and established upon a basis of mutual understanding, matters are generally adjusted satisfactorily.

Parents are urged to visit the schools, and there to observe the work in its substance and methods, and they may be assured of a hearty welcome from the teachers. The teachers will be very glad to have the parents co-operate with them in all their efforts for the instruction and training of the pupils. Such co-operation will be helpful to teachers and parents.

ACKNOWLEDGMENTS.

The following gifts for the schools have been received during the year, for which, on behalf of the School Commissioners, I return hearty thanks; viz:

For the Archibald Street Primary.

From Nelson Peters—Map of the United States.

For the Ira Allen School.

From Hon. Elihu B. Taft—Three pictures (included in list from Art Exhibition), and framed portrait of William McKinley.

From Mrs. F. E. Sinclair—Portrait of Longfellow.

For the Grammar School.

From the Class of 1901—Framed picture, The Coliseum.

For the High School.

From Mrs. Loren B. Lord—A collection of minerals.

From the Class of 1901—Framed picture, The Acropolis.

From the Class of 1895—Framed picture, The Coliseum.

From the High School Teachers—Framed picture, The Temple of Victory.

From Miss Lucy P. A. Goodhue, Class of 1877—Ainsworth's English-Latin Dictionary, and Donnegan's Greek English Lexicon.

From Miss Annie T. Smith—An illustrated Chinese book.

From Miss May E. Witherell—Collection of minerals, shells and botanical specimens.

This gift deserves special mention. Miss Witherell graduated from the High School in the Class of 1891, and ever retained a great interest in, and affection for the school. Frail in health, she travelled much, and gathered, as she had opportunity, specimens illustrative of geology, botany and biology, subjects in which she was especially interested while in school, and of which she remained a diligent student after leaving school. Miss Witherell's death occurred a few months ago and she bequeathed her collection to the High School. For the beautiful life she led, and for her gracious deed, which

have now become a part of the history of our High School, Miss Witherell will be gratefully and affectionately remembered.

The reports of Mr. Thomas, Mr. Humphrey and Miss Herrick, follow, and in the appendix of the school edition will be found our Regulations and Course of Study.

Expressing thanks to all who have in any way aided in the work of our schools this year, this report is

Respectfully submitted,

HENRY O. WHEELER,
Superintendent.

January, 1902.

REPORT OF THE PRINCIPAL OF THE BURLINGTON HIGH SCHOOL.

BURLINGTON, VT., January , 1902.

Mr. H. O. Wheeler, Superintendent of Schools:

DEAR SIR:—I have the honor, herewith, of submitting to you the second report of the High School, covering the calendar year just completed.

Essentially the school is the same as it was one year ago. No change has been made in the course of study except the insertion of formal English Grammar into the first year's work of all pupils, and Declamation into the last year. The hours of the school sessions and the means of securing good order, both of which grow in favor daily, remain unchanged. No new school organizations have been formed and the number of teachers relative to the number of pupils has not changed.

It is too soon yet to speak of the value of formal English Grammar in the High School as the experiment has been tried only one term. If it can be brought into living connection with the pupils' reading and speech it will be serviceable, but just here lies the difficulty. For our college graduates, unless specially prepared, come to us without any knowledge of formal English Grammar, and as a consequence their teaching is only "book" or "dead" teaching, something worse than a waste of time. My opinion is that until the teachers of English in the

High School learn (1) to master the syntax of any English work they may be reading without reference to the Grammar except to obtain authority on disputed points, and (2) not to settle disputed points in class but to teach only the essentials, English Grammar will be a fruitless study. To aid both teacher and pupil in their work there ought to be one good book in the hands of the pupils as a book of reference and two or three within reach of the teacher.

In regard to the Declamation and Public Speaking it can be said that a beginning has been made, but that is all, and I hope that the mistake will not be made of supposing that the present plan is satisfactory as a permanent plan. If the subject is worth while at all it is worth the entire time of an instructor who will then have opportunity to give his pupils some instruction in the art of speaking and in vocal culture.

In my report a year ago I mentioned the theories in accordance with which the present plan for securing good order in the school was adopted. I said there that good order in the High School is a *means* and not an *end*, that the end and purpose of the High School are good work, and that when good work is the object and the end of our endeavor, good order comes as a matter of course. I mention this matter again because of the confusion, in some minds, of discipline,—so-called,—with good order. In those minds the notion of discipline,—so far as defined at all,—seems to be one of brute force, power armed with a club, a tyrant with no regard for either the rights of the feelings of the disciplined folk; or it is a notion that in some way or other lashings and scourgings are not only necessary but wholesome as well, in bringing the lashed and scourged ones into subjection, as the mediaeval hermits and monks lacerated and scourged their bodies in order to win peace to their souls; or it is a notion that unless the rule or law of the governing power is always in sight there can be no power of government. In all these notions the fundamental ideas are repression and not direction, subjection and not guidance, tyranny and not helpfulness to self-government, and the results of school government, based on these ideas, have always been insubordination and hatred of law to some, hypocricy and deceit to some, and breaking down of all spirit and hope to others.

Good order in a school, order as a permanent condition is, on the contrary, obtainable only by (1) justice as exact as possible, and with faith enough in itself to be patient and slow; (2) a scrupulous and painstaking observance of the rights of the pupils by the teachers at all times and under all circumstances; (3) penalties for wrongdoing so chosen and so administered as to commend themselves finally to the sense of justice of the pupil affected by them; (4) perfect steadiness, perfect evenness, perfect truthfulness and complete sanity of conduct on the part of all who have a part in the administration of the school government; (5) prompt but never hasty infliction of penalty; and (6) that condition of mind on the part of the teacher which makes him regard as fundamental the notion that his business is mainly that of instructor, helper and guide and only incidentally that of inquisitor and judge.

Notwithstanding some failure in (2) and (4) of the above conditions, the steadiness of the school in conduct is sensibly increasing and the spirit of good order is prevailing more and more.

The teaching force is still too small for the best results in the work of the school. There has been an increase of fifty in the registration this year and partly to meet this increase in the number of pupils the teaching force was increased to an amount equal to the service of one and one-half teachers. This would have met the difficulty fairly well if we had not in the preceding year been working with a force too small by one teacher. This deficiency together with the clumsy and uneconomical method of handling the school by courses has brought about two bad results: (1) The recitation divisions have in some places been much too large, and in many places too uneven in size, and (2) the principal has been compelled to devote too much of his time to class-room work and has not had sufficient time to devote to proper and helpful supervision of the school, the need of which grows stronger and stronger as the school increases in size. I hope that all this may be remedied next year and so the efficiency of the school be greatly increased.

It has been a matter of great pleasure to note the past two years the steady increase in the number of pupils looking forward to college, e. g. out of a class of 66 in 1900 not so many went to college as out of a class of 53 in 1901, and out of the present class of 70 more than half have already expressed their intention of entering some college next September. At present the school is represented in six colleges, besides the University of Vermont: Holyoke, Smith, Vassar, Tufts, Amherst and Yale, and next year it expects to add to this list Harvard, Brown, Leland Stanford and perhaps Dartmouth. At the same time the number representing the school in the University at home has greatly increased. All this is matter for congratulation on all sides, for it means that the desire for college education in the community is on the increase and that the usefulness of the school in preparing for college is occupying a larger and larger field.

Along with this, perhaps as the cause of it, has been observable a growth in the scholarly spirit. And by this I do not mean scholarship, something one could hardly speak of with propriety in High School pupils, but that spirit which manifests itself in a growing desire for knowledge for its own sake, in that divine curiosity which leads its possessor to peer, for himself, into the hidden things of knowledge and in a growing appreciation and love of the fine and beautiful things that lie wrapped in the thoughts of the great and good of all times. Such a spirit is better and finer than scholarship as life is finer and better than mere accretion, and to see evidences of its growth in the school is cause for great encouragement.

A few words ought to be said on the attempt that has been made the past three years to make the school a center of interest, social and otherwise, to the pupils. The course of reasoning that led to the attempt is somewhat as follows: (1) Our pupils are sure to have interests, social and otherwise,—as they ought to have if they are normal,—for which neither the homes nor the churches of many furnish a basis. If the school does not furnish this something else will, and the school

cannot afford to lose the opportunity; (2) Under a Democratic form of government, such as ours, it is absolutely essential in training for good citizenship that there should be a *common* center of interest, some rallying point where all work for the general welfare. What center so natural, so good as the public school? (3) The meeting of teacher and pupil on this common ground does much to bring about that right relation between them without which no really effective and permanent work can be accomplished. Of course, in all this the assumption has been made that the school exists to be helpful to the lives of its pupils in every way it possibly can and to affect them on as many sides as possible.

During the year some material aids, in the way of books of reference, maps and charts, and laboratory apparatus, have been furnished, adding to the efficiency of the work. More are needed and I hope will be supplied as rapidly as the Board can see their way clear to do so. Meantime the school is showing its appreciation of what it has by a diligent use of them.

The enterprises of the school are all in good and sound condition. The pupils are learning how to manage such enterprises in a business-like way—as far as the business side is concerned—and skilfully and well in all directions. I believe such things are a part of a sound education and yield much more than they cost, as far as that may be said of anything good. I make specific mention of the Fair last May, the Boat ride in June, the two entertainments, one to be given in January and one in February of this year, besides the permanent or regular enterprises, the Register, the Lyceum and the Athletics.

In all the things thus far mentioned, I believe the school has good reason for encouragement and some cause for congratulation and just pride. I believe, however, the principal has one just cause of complaint. He is held responsible for the good work of the school in management and scholarship and at the same time is allowed practically no voice in the selection of his teachers and but little authority in the final infliction of punishment. He thinks there is neither good sense, good business nor justice in such an arrangement and is able to see no reason why it should continue.

For all the good things done for the school by those in authority during the past year, I hereby wish to make acknowledgment and to express my appreciation of the satisfaction shown by the Board and Superintendent, in the management of the school.

Respectfully submitted,

ISAAC THOMAS, Principal.

REPORT OF TEACHER OF MUSIC.

In accordance with my usual custom, I herewith hand you my report of music work for 1901.

As is nearly always the case, the work is more satisfactory in some schools than in others, though the greater excellence is not always

found in the same one. It is true in music as in other branches, that some classes are more capable than others of the same grade, and occasionally a particular class will excel in every grade as it passes through the course. Our Grammar School collects together the graduates of the various lower grade schools in the city, and the pupils of each year are supposed to arrive at the Grammar Building with about the same amount of previous training, but the class of one year will excel, and another will fall behind. This year our A Grammar class suffers for want of pupils who can sing the second soprano part; a very unusual condition. As a whole, the class is not up to the usual work in music.

If I should judge the quality of our work by the results seen in one class, I might feel discouraged, but we have some children in the lower grades this year, who are doing better reading than has been done by any class of the same grade since I have been here. It has been my lot to be very much surprised at the progress made by two or three classes. The more I watch the work of the different schools, the more I am convinced that the plan we are following is producing excellent results wherever the regular teachers are competent and interested. And I am pleased to testify to the willingness and general ability of the regular teachers. Many of them have taken up the teaching of music since I came here, and are really very capable. Some of those who have joined us more recently have to learn it almost from the beginning, and that takes time.

Converse School suffered again last year from the lack of some one to drill three of the classes in music, but I am glad that this year, the appointment of a special assistant who is competent to drill any of the classes in music, puts the school once more in a condition where something may reasonably be expected of them in a musical way. Good results are already evident in the improvement which the children are making in reading music.

Our music suffered with all the other studies from the broken up condition of the Fall term, but on the whole, we are distinctly in advance of the year 1900, and if we look back several years, there is no mistaking the improvement which has been made.

It may not be out of place for me to record the fact, that at the meeting of the State Teachers' Association held here in November, there were present eight or ten Supervisors of Music, who held a meeting by themselves, and discussed methods and exchanged experiences. This little conference, though necessarily brief, and impromptu, was felt by all to be the best part of the entire convention for us. The music supervisors of Vermont are few and far apart and cannot meet often, but they are glad to attend the State meeting if there is anything for them. It is our feeling that the State Association should take more notice of this branch of school work, making some effort to get the supervisors to attend and providing some expert, if possible, to address the convention at least once. It would benefit regular teachers as well as supervisors.

Respectfully submitted,

J. H. HUMPHREY.

REPORT OF THE SUPERVISOR OF DRAWING.

Mr. H. O. Wheeler, Superintendent:

DEAR SIR:—I submit herewith the report of the work in my department during the past year.

Believing more earnestly than ever that careful preparation is an element of all progress, we issued early in the year general directions covering points like the following:

1. Supplies to be kept on hand:
   a. Paper.
   b. Pencils.
   c. Erasers.
   d. Rulers.
   e. Model stands or boards.
   f. Objects and nature material for drawing.
   g. Brushes and color material.
2. Picture study.
3. Disposition of finished drawing work.
4. Class criticism.

As a result of these circulars of general direction, we nnd an improvement regarding convenient readiness for class lessons. There is still, however, in some rooms, an opportunity for progress as to hearty co-operation in trying to secure favorable conditions.

In reviewing the work of the past year, we shall for convenience make three divisions: viz., Primary, Intermediate, and Grammar Work, and we shall try to present in a clear manner the aims we seek and the processes by which we hope to secure them in a synopsis supplemented by explanatory comments.

SYNOPSIS OF AIMS AND PROCESSES:—PRIMARY GRADES.

Aims.	*Processes.*
1. Graphic Expression, Freedom, Truth.	Free-hand cutting. Illustrative drawing . Nature drawing of animal and plant forms. Object drawing of toys and artistic objects.
2. Muscular Control, Grace, Flexibility, Rhythm.	Movement exercises. Blackboard drawing. Clay modeling. Stick-laying. Paper-folding. Cardboard construction.

3. Order and Neatness, Self Reliance, Perseverence, Happiness.	Care of materials. Monitor's work. Preservation of complete work. Prolonged effort in making crowned by success. Joy in activity.

References for Primary Grades:

I. Supervisor's Outlines.
II. Prang Manuals for Primary Grades.
III. Henry T. Bailey's "A First Year in Drawing."
IV. Primary Education.

We have divided the topics indicated in the above synopsis into different groups, since some of the subjects are wisely emphasized in Spring and Fall, and others in the Winter term. For instance, in the autumn months we aim to lead the little children to feel and express the charm of form and color peculiar to the season. We do this by selecting beautiful specimens of plant and vegetable life and drawing them with colored crayons. In the late fall, animal forms are introduced, and the flight of birds, the rabbit, and similar subjects take the place of the earlier studies.

In the Winter term the outlines provide for form study of solids, objects, and geometric shapes, design, and the making of simple cardboard and cloth articles, such as Christmas cards, penwipers, Valentines, etc. In the A Primary classes beautiful illustrated papers upon some of the artists, dear to children, have been prepared. Rosa Bonheur and Landseer seem to be the favorites.

In the Spring, the new life in all nature is our topic, and we devote much time to drawing and painting the flowers as they appear.

In general, we strive to keep with the children and to study interests which claim them. We draw their toys and the children themselves, aiming for free expression rather than fine execution. We advocate variety in materials and processes, and think that the effort to express what has been seen is more important than the finished product. All sincere attempts are encouraged and anything like harsh criticism of children's work is condemned. Our purpose is not so much to teach drawing as to teach *through* drawing. We try to secure cooperation of home and school by often allowing the children to carry home finished work. The children were very happy in making their Christmas cards. To make something well and then to feel joy in giving it away is surely educational.

The lesson of sustained effort is sometimes unknowingly being learned in our Primary schools. That this is so is shown by the advice one small boy gave to his drawing teacher. When she expressed doubt as to her ability to draw a certain picture upon the blackboard, he raised his hand and said, "But if you try very hard, and think very carefully, you can make it."

SYNOPSIS OF AIMS AND PROCESSES:—INTERMEDIATE GRADES.

Aims.	*Processes.*
1. To cultivate freedom, grace, flexibility.	Practice of all kinds of curves, also circles, ellipses, and straight lines. Practice with the brush and ink.
2. To cultivate good taste and discrimination.	By selection of objects, collection and arrangement of material. By avoiding over decoration and crudity of coloring.
3. To lead pupils to love the beautiful in Nature.	Surrounding the child with the beautiful; use of quotations and pictures.
4. To furnish standards of superior achievement.	By showing reproductions of good pencil work. By comparison of pupils' work.
5. To foster originality.	Encouraging *freedom* of expression. Avoiding dictation methods.
6. To teach principles of art rhythm, harmony and balance.	*Balance*—through placing of drawings to preserve balance, by drawing enclosing frame, and by tasteful placing of name and initials. *Rhythm*—through arrangement of leading lines and subordinate elements. *Harmony*—through pleasing color combinations.
7. To secure graphic expression in all school work.	Teaching clear and accurate seeing, sense of proportion, light sketching, artistic rendering.
8. To acquire accuracy, invention, good space division, and precision of touch.	Drawing of Historic ornament. Original designs for initials, notebook covers, booklets, etc.
9. To establish good manufacturing habits through knowledge of constructive processes.	Measurement. Pattern-making. Working-drawings. Exercises in construction, as making calendars, pasting cardboard models, painting Christmas cards, etc.

References for Intermediate Grades:

I. Supervisor's Outlines.
II. Prang Manual for Intermediate Grades.
III. Henry T. Bailey's "A First Year in Drawing."
IV. Perry Picture Magazine, Masters in Art.

Contrasting the purpose and character of the Intermediate work with that of the Primary grades, it is seen to emphasize the acquirement of technical skill and familiarity with free-hand sketching. This is in accordance with the latest conclusions adopted by educational authorities. It will be remembered that Dr. G. Stanley Hall said, "The hand is never so near the brain as in the years from eight to thirteen. Now is the time for creating habits of dexterity, flexibility and skill." Not only should education of the hand be given prominence, but that of the eye as well, for "The man whose eyes and hands are not educated is only half a man." Clear, vivid impressions of things must first be received, and accurate representation follows. How many people really see things well enough to execute an easy sketch of the object observed, or how many could locate correctly the ears of a half dozen different animals in simple drawings? With the Japense nation, expression by means of brush and pencil is far more common than with us and it is by no means uncommon in Japan to see laborers on their way to work take out pencil or brush and quickly and easily transcribe picture notes of a passing bird or a flowering bush. Through public school drawing graphic expression may be an art much more employed than in the past.

While skill and accurate observation are sought, we do not neglect the cultivation of discrimination and good taste. In the schools of to-day we are thinking a great deal about the effects of our teaching of Art. Those effects must be practical and they should affect the lives of the children in their habits, dress, and the work of their hands. Outside of the school, artists and women's clubs are considering this phase of art education. Interest manifests itself in efforts at schoolroom decoration and co-operation with the school. The truth is being realized that, "Art liveth not to itself alone; that art is not for a chosen few, but for all."

In the constructive drawing, we aim to lay a foundation which may be of service in any trade. Every child needs a training that shall fasten upon him the manufacturing habit. Such education is peculiarily appropriate in a community which has entered upon a period of industrial development. We regard this aim of establishing good manufacturing habits as one of the most important to be established. Those teachers who secure voluntary home work in these lines should be highly esteemed, for while prescribed home work is likely to be deadening to life and interest, voluntary making of useful articles for home and school shows mastery of knowledge since, "A thought is only half a truth until expressed in action."

GRAMMAR GRADES.

Note—The aims and processes in Grammar Grades are similar to those of the Intermediate classes with the following exceptions:

Aims.	*Processes.*
To form habit of studying decoration.	By familiarity with ornament as expressing the thoughts and feelings of past peoples, Egyptians, Greeks and Romans.

To cultivate taste which will demand pleasing forms and colors in decoration.	By Nature Study. By selection of decorative elements from Nature for conventionalization. By practice in decorative design, as in book-covers, china decoration, wall-paper and cloth.
To make a beginning in Mechanical Drawing.	By simple problems in constructional Geometry. By working-drawings of type solids and objects.

References:

Prang Manuals for Seventh and Eighth Year Work.
Mechanical Drawing—Anson Cross.
Design—Fred H. Daniels.

In the ninth grade, or A Grammar, the results of the previous years' training are marked. Here are noted those pupils who have developed special talent. Here we *should* have a generous equipment for drawing, with facilities for class work in small divisions and a room planned so as to make the teaching of light and shade and color possible. The pupils are fitted for work of this character upon reaching this grade, but owing, in part at least, to conditions incident to the arrangement of lights and seats, we can not do as good work in these particular lines as pupils in the eighth and ninth years accomplish in some other cities. Notwithstanding disadvantages, the classes did accomplish some very creditable work last year, as was proven by the upper grade exhibit shown at the State Teachers' Association.

The public school drawing shown at the Association was a center of interest throughout the convention. We think the *unity of effort* and the *sequence* of the work shown was a great help to us all. Especially helpful was the favorable comment of friends and visitors.

As to Art work in the High School during the past year, it has been "conspicuous by its *absence*." Many parents express regret at the fact, and many pupils who would profit by a good High School Drawing Course are deprived of the study they had grown to love. A brief drawing course is given the class in the History of Education. This year the class is an especially promising one.

CONCLUSION.

I would like to thank you, Mr. Wheeler, for faithful support of my department, and for your painstaking care and helpfulness through the arduous days of preparation for the Convention. Here I would also thank the teachers, whose sustained efforts made results possible. The School Board I thank for their recognition of service and for their presence in our schools and at our exhibitions.

Very respectfully submitted,

ELLA KENDRICK HERRICK.

January 1, 1902.

THE FLETCHER FREE LIBRARY.

REPORT OF LIBRARIAN.

BURLINGTON, VT., January 2, 1902.

To the Trustees of the Fletcher Free Library:

The Librarian's annual report for the year ending December 31, 1901, the twenty-eighth report since the organization of the library, and the seventeeth I have had the privilege of laying before your Board, is respectfully submitted.

The event of the year in our library history is that Mr. Carnegie, whose generosity to many public libraries is well known, will give to Burlington $50,000 for a new library building. The Trustees will no doubt in due time express their thanks better than I can do, but no one but a librarian who has endured for years the inconveniences of the old building, can understand the pleasure and gratitude with which we look forward to a properly constructed library building.

In Mr. Eastman's helpful lecture on libraries, he spoke of the essential conditions for an ideal library. "The first purpose of the building is of course to preserve the books; the next consideration is so to locate it that it will be easy of access, thus making the books easily attainable by the people. An ideal library building will have the rooms all well lighted, so arranged as to require as few attendants as possible, and with facility of access to every department."

During the last year 560 volumes have been added to the catalogue of accessions, and the shelf list, making the number so entered 27,319. Of these 95 were added from binding peri-

odicals, (31 of which were gifts), 32 were gifts of volumes, 59 bought to replace those worn out, and 374 were new books. In 1900, 640 volumes were added to the shelves, 80 more than this year. There were 484 cards issued to applicants for the privilege of borrowing books from the library, 68 less than last year.

The books given out for home use numbered 43,802, a decrease of 5,631 compared with 1900, when the circulation amounted to 49,433. Of the books circulated 33,293 were classed as fiction and books for the young, 3,571 less than last year. The loss in circulation can be accounted for in part by the library having been closed for a month.

The system of distributing books through the schools, in use for many years, has been continued. The teachers who have heretofore made the most use of books from the library in their classes, still continue to do so and appreciate the value of taking a number of books to keep during a school term, thus encouraging the love of good reading, and especially of such books as will aid or interest the scholars in their lessons. One teacher, when she finds we have new books that might be useful to her scholars, takes the trouble to read them herself, and if she approves of them, recommends that they be duplicated for the use of the schools. I might relate many incidents showing how useful these little school libraries have been, and how much they are appreciated by teachers and pupils. There are some teachers who do not wish to be burdened with this additional care, added to their busy days, and never take out any books for their scholars. But there are so many who are asking for more books on the subjects they are teaching, that it has taxed our resources of duplicates to satisfy them. I think about half of the books circulated from the library are taken out by teachers and scholars.

An additional number of shelves in rooms in another story has relieved the pressure for room for books, so that for

the present they are not piled up on the floor in the alcoves, and our unbound files of papers and magazines are no longer stored without proper order in any nook or cranny that could be found to receive them. But this relief is only temporary. We have often been obliged to move books on a shelf to make room for additions, confusing the classification on the shelves. But now we can look forward to a spacious, well arranged library building, with order restored to our shelves, and proper care for our valuable books of reference.

I would like to call attention to the fines, imposed for the protection of the library. The money thus obtained is expended to increase its growth. In many cases, this is the only expense the borrower is called upon to meet, and this only because of his own neglect; it should be paid promptly and cheerfully.

Again I remind friends of the library that books or magazines that would be of use to any one can be given to the library and so have their usefulness increased many times.

A list of gifts is given in an appendix to this report. The University Cynic and High School Register continue to give us their numbers. I take this opportunity to thank those who have given books and periodicals, especially the local newspapers for their issues, and for their kindness in giving place in their columns to lists of new books, and other items of interest concerning the library.

Respectfully submitted,

SARAH C. HAGAR, Librarian.

APPENDIX A.

LIBRARY EXPENSES.

Salaries,	Miss Hagar	$800 00
	Miss Moore	500 00
	Messenger	144 00

Binding	329 56
Coal and wood	162 25
Moving books	100 00
Gas	94 79
Printing cards, etc	57 40
Printing report	12 00
Postage	10 00
Water	11 88
Cleaning	30 80
Awnings	2 25
Repairs and incidentals	3 20
Expressage	2 55
Total	$2,260 68

APPENDIX B.

Circulation for 1901.

	Fiction and Juveniles.	Total.
January	3,607	4,767
February	3,616	4,977
March	4,065	5,189
April	3,145	4,364
May	2,692	3,703
June	2,415	2,974
July	2,836	3,567
August	3,094	3,748
September	2,510	3,356
October	1,354	1,927
November	1,298	1,837
December	2,661	3,593
	33,293	44,002

APPENDIX C.

Circulation from 1875.

	Fiction and Juveniles.	Total.
1875 (open 131 days)		15,538
1876		35,448
1877	30,471	38,458
1878	25,186	35,238
1879	21,809	33,077
1880	19,579	29,432
1881	19,212	28,262
1882	18,308	26,438
1883	17,092	25,576
1884	15,027	20,173
1885	20,489	29,475
1886	27,337	37,753
1887	26,917	37,933
1888	28,701	41,948
1889	29,032	43,464
1890	30,303	45,828
1891	30,983	46,387
1892	31,599	47,203
1893	27,621	42,184
1894	28,740	43,942
1895	33,082	48,762
1896	36,363	52,829
1897	37,198	53,391
1898	38,511	52,456
1899	38,329	52,005
1900	36,864	49,433
1901	33,293	44,002

APPENDIX D.

GIFTS FOR 1901.

	Vols.	Pam.	Nos.
American Museum of Natural History		1	
Amherst College		1	
Anonymous		5	
Barlow, Miss F.			51
Balch, T. W., *Philadelphia*	1		
Benedict, G. G.	1		
Bliss, Rev. J. I.			12
Brown, C. E. W.			12
Brown University, R. I.		1	
Boston Transcript, daily			
Burlington Free Press, daily and weekly			
Burlington Daily News, daily			
Burlington High School Register			
Chicago Banker			12
Christian Science Journal			12
Christian Science Sentinel			52
Clark, B.			13
Clark, C. E. P.	1		
Crockett, W. H.			1
Cone, Mrs. *Hartford, Vt.*		2	
Chickering, Mrs. S. H.	52		
Criterion			12
Dartmouth College		1	
Davis, G. E.		13	
Dewey, M. *Albany*		1	
Foote, Mrs. H. N.		1	
Goodrich, Prof. J. E.	2		
Green, Jas. *Worcester*		1	
Green, S. S., *Worcester*		1	
Grinnell, Dr. A. P.		1	

	Vols.	Pam.	Nos.
Griswold, Mrs. C.	7		
Harvard University	1	1	
Hastings, H. *Albany, N. Y.*	1		
Howe, E. F.	1		
Indian Rights Association		9	
Jerome, Mrs. E.	2		
Jillson, F. C. *Roxbury*	1		
Johnson Book Store, *Springfield, Mass.*	1		
Jones, Prof. Lewis R.		14	
Lake Mohonk Conference		1	
Land of Sunshine			12
Libraries, Amherst College		2	
Atlanta, Carnegie		1	
Baltimore, Enoch Pratt		1	
Bangor		1	
Boston Public		14	
Bowdoin College		2	
Buffalo		1	
Cambridge		1	
Chicago, John Crerar		1	
Chicago Public		1	
Cincinnati		6	
Cleveland		1	
Concord, Mass.		1	
Concord, N. H.		1	
Congressional	4	3	
Dayton		1	
Detroit		1	
District of Columbia		1	
Dover		1	
Dundee, *Scotland*		1	
Erie		1	
Everett, Parlin Memorial		1	

	Vols.	Pam.	Nos.
Glasgow, Stirlings and Glasgow,		1	
Grand Rapids		1	
Hartford		1	
Harvard University		1	
Helena, Montana		1	
Hopedale		1	
Iowa Masonic		1	
Indianapolis		2	
Jersey City		6	
Keene		1	
Lawrence		3	
Los Angeles		1	
Lyndon		1	
Lynn		1	
McGill University, Medical		1	
Malden		1	
Manchester, N. H.		13	
Marlborough		1	
Milwaukee		1	
Minneapolis		1	
Nashua		1	
Natick		1	
Newark		11	
New Bedford		9	
New Haven		11	
New Orleans, Fisk		1	
Newton		1	
New York, Aquilar		1	
New York, Free Circulating		1	
New York, Mechanics and Tradesmen		1	
New York, Mercantile		1	
New York State Library	3	9	

	Vols.	Pam.	Nos.
North Adams	1		
Northampton, Forbes	1		
Norwich, Ct., Otis	4		
Oakland	1		
Oberlin College	2		
Omaha	5		
Paterson	1		
Pawtucket	1		
Peoria	1		
Philadelphia, Free	1		
Philadelphia City Institute	1		
Pittsburg, Carnegie	1		
Portland	1		
Poughkeepsie, Adriance	1		
Pratt Institute	1		
Providence Public	1		
Providence Athenaeum	1		
Quincy, Thomas Crane	1		
St. Louis Mercantile	1		
Salem	10		
Springfield, Ia.	1		
San Francisco	13		
Scranton	1		
Southbridge	1		
Tacoma	1		
Toronto	1		
University of Michigan	2		
Warren Co., Ill.	4		
Waterbury, Bronson	1		
Wilmington Institute	1		
Wilkesbarre, Osterhout	11		
Windsor, Vt.	1		
Woburn	1		
Worcester	1		

	Vols.	Pam.	Nos.
Lyman, Miss F.	1		
Michigan Trust Co.	1		
Minneapolis Park Commission		1	
Murray, T. H. *New York*		11	
New York State Library	7	5	
O'Neil, D. *Boston*		1	
Pearse, Miss L.	3		
Phelps, *Mrs.* M. H.	1		
Roberts, *Miss* C. M.			12
Roberts, *Miss* M.		1	
Shanley, H. J.	5		
Sheldon, G. *Boston*		1	
Sleeper, O. F. *Elizabeth, N. J.*	2		
Smith, *Mrs.* C. P.			180
Smith, George D.			261
Tabor, *Miss*		2	
Smithsonian Institute	2	2	
United States—Agriculture		14	
Education	1	4	
Labor		5	
State		17	
Supt. of Documents	115	95	
University of Chicago		1	
University of Pennsylvania		1	
Vermont Agricultural Station	1	6	
Vermont Antiquarian Society		1	
Vermont Anti-Saloon League	2		
Vermont Bible Society		1	
Vermont Historical Society		1	
Wagner, *Dr.* H. *Denver*	3		
Wall Street Journal, daily			
Ward, J. *New York*		1	
Wheeler, H. O.		1	
Wilbur, Lafayette	1		
Women's Auxiliary Civil Service Reform,		9	
Yale University		2	

REPORT

OF THE

HEALTH OFFICER.

To the Honorable, the City Council:

I have the honor to submit for your consideration the report of the Health Department for the year 1901.

The total number of deaths from all causes during the year was three hundred and forty-three (343). This number includes seventeen (17) still births and fifteen (15) deaths of non-residents at hospitals. If these are omitted in making the computation, the death rate, based upon a population of 18,640, according to the census of 1900, is 16.68 to each 1,000 inhabitants.

CONTAGIOUS DISEASES.

During the year fourteen (14) cases of diphtheria and membranous croup, nine (9) cases of scarlet fever, twenty-two (22) cases of typhoid fever, one hundred and forty-three (143) cases of measles and sixty-seven (67) cases of small pox were reported. There were four (4) deaths from these diseases during the year, one (1) from diphtheria and membranous croup, and three (3) from typhoid fever.

Except for the fact that there has been during the last three months of the year an epidemic of the mild type of small pox, which has prevailed so extensively throughout the country during the last two years, the record of contagious diseases for the year has been remarkably good.

During the year 1900 there were two hundred and twenty-three (223) cases of contagious diseases reported, with eleven

deaths therefrom. Including the sixty-seven cases of small pox there were during the year 1901 two hundred and fifty-five (255) cases, with only four deaths.

During the forenoon of October first a case of small pox at 21 Smith's Lane was reported. Later in the day three more cases were reported, two at 53 Pitkin street and one at 42 Blodgett street. It was impossible to arrive at any satisfactory conclusion in regard to the origin of these cases, but it is quite probable that there had been others which had not been brought to the notice of the Health Department. The fact that there has been small pox in Burlington during the last year is not so much to be wondered at as the fact that we had escaped it so long. The families in which these cases occurred were at once quarantined and every effort made to prevent the spread of the disease. Many people had already been exposed, however, and between October 1st and November 10th, thirty-three cases were reported. Between that date and November 28th, only one additional case was discovered. On November 28th, a case of small pox at 68 Interval avenue was reported, and in investigating to learn if possible the source of infection, it was discovered that there had been a case in the neighborhood which had not been reported by the attending physician. The patient had passed the acute stage and when found was going about the city exposing everyone with whom he came in contact. He was promptly quarantined, but many of the cases which have since occurred could undoubtedly be traced to exposure directly or indirectly by this patient. The attending physician was prosecuted and received the maximum fine prescribed by law for the offense. Between November 28th and January 1st, 1902, thirty-one additional cases were reported, making a total for the three months of sixty-seven. With a few exceptions the cases have been mild and none have been fatal.

For the table of Meteorological Observations for the year, I am indebted to the courtesy of Mr. Charles E. Allen.

Respectfully submitted,
H. R. WATKINS, M. D.,
Health Officer.

ANALYSIS OF VITAL STATISTICS.

During the year 1901 the births in Burlington numbered four hundred and sixty (460); and the deaths, three hundred and forty-three (343). Excess of births over deaths, one hundred and seventeen (117). There were, in 1901, eighty-five (85) less births, and three (3) less deaths than in 1900. Still births are included in the totals of births and deaths.

MARRIAGES.

The ratio of persons married, in 1901, to the whole population (18,640) was 1 in 56.14.

Seasons.—There were twenty-seven (27) marriages in the first quarter of the year, fifty-six (56) in the second, thirty-seven (37) in the third and forty-six (46) in the fourth. The month of June had the largest number of marriages, thirty-four (34) and the month of March the smallest number, two (2).

Nativity.—One hundred and twenty-nine (129) grooms and one hundred and thirty (130) brides were born in the United States; twenty-one (21) grooms and twenty-four (24) brides in Canada; two (2) grooms and five (5) brides in Ireland; and fourteen (14) grooms and seven (7) brides in other countries.

BIRTHS.

The total number of births in 1901 was four hundred and sixty (460), which was eighty-five (85) less than in 1900. In

this number are included seventeen (17) still births. The proportion of live births to population (18,640) was 1 to 42.07.

Sex.—Males, two hundred and forty-one (241); females, two hundred and nineteen (219).

Parentage.—Three hundred and seven (307) fathers and three hundred and fifteen (315) mothers were born in the United States; ninety-four (94) fathers and ninety-four (94) mothers were born in Canada; seven (7) fathers and nine (9) mothers were born in Ireland; forty-six (46) fathers and forty two (42) mothers in other countries. The nativity of six (6) fathers was unknown.

Seasons.—The largest number of births, one hundred and thirty-two (132) occurred in the third quarter of the year; one hundred and seventeen (117) in the first; one hundred and fourteen (114) in the second; and ninety-seven (97) in the fourth.

Locality.—One hundred and forty-four (144) births occurred in the Third Ward; one hundred and twenty-two (122) in the Second Ward; one hundred and nineteen (119) in the Fifth Ward; fifty-four (54) in the Fourth Ward, and twenty-one (21) in the First Ward.

AGE OF MOTHERS.

The ages at which mothers bore the greatest number of children in 1901, were twenty-seven (27) and twenty-nine (29), thirty-one children having been borne by mothers of each age. The youngest mother was fifteen (15) years old, the oldest forty-six (46). Twenty-four (24) children were borne by mothers eighteen (18) years old and under; and twenty-three (23) by women forty (40) years old and over.

DEATHS.

The total number of deaths in 1901, including seventeen (17) still births, was three hundred and forty-three (343),

three (3) less than in 1900, and thirty-five (35) less than in 1899. With a population of 18,640 the ratio of deaths, exclusive of still births, and fifteen (15) non-residents at hospitals, was 16.68, or one death in 59.93 of the population.

SEASONS.

The greatest number of deaths, ninety-one (91) occurred in the first quarter of the year; the smallest number, seventy-one (71) in the fourth. The greatest monthly mortality was in August, thirty-seven (37) deaths, and the smallest in May and November, twenty-one (21) deaths, each.

SEX.

One hundred and sixty-five (165) of the deaths, including still births, were of males, and one hundred and seventy-eight (178) of females.

One hundred and ninety-two (192) decedents were over fourteen (14) years of age. Of these ninety-one (91) were married; fifty-seven (57) widowed; and forty-three (43) single. One not stated.

AGE.

One hundred and twenty-two (122) of the deaths, including seventeen (17) still births, were of children under one year of age, which was 35.3 per cent. of all deaths; eighteen (18) were of children between one and five years of age, or 5.2 per cent. of all deaths; twenty-one (21) between five (5) and twenty (20) years of age, or 6.1 per cent. of all; sixty-four (64) were between twenty (20) and fifty (50) years of age, or 15.7 per cent. of all; fifty-seven (57) were between fifty (50) and seventy (70) years of age, or 16.6 per cent. of all; sixty-one (61) were seventy (70) and over, or 17.7 per cent. of the total.

NATIVITY.

Two hundred and sixty-three (263) of the decedents, including seventeen (17) still births, were born in the United States; forty-one (41) in Canada; twenty (20) in Ireland; eleven (11) in other countries. The birth place of eight (8) is not known.

LOCALITY.

The largest number of deaths, one hundred and six (106) was in the Third Ward; the next largest, eighty-four (84) in the Fifth; the next, seventy-two (72) in the Second; the next, forty (40) each in the Fourth and First, including fifteen (15) deaths at the Mary Fletcher Hospital.

VITAL STATISTICS

OF THE

City of Burlington, Vt.

FOR THE YEAR 1901.

TABLE 1. Marriages.

		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.	
Nativity of Groom	United States.....	9	9	2	12	7	24	8	8	16	12	10	12	129	
	Canada.....	1	2		1	2	6			2	3	1	3	21	
	Ireland		1								1			2	166
	Other Countries.	1	2				4	1	2		1	1	2	14	
Nativity of Bride	United States.....	8	10	2	10	8	29	7	8	13	14	7	14	130	
	Canada.....	2	2		3	1	2	1	1	4	1	5	2	24	
	Ireland.....		1				1	1		1	1			5	166
	Other Countries.	1	1				2		1		1		1	7	

Table No. 2. Births, Seasons, Nativity, Sex, Locality, and Number of Mothers of Each Age.

SEASONS.	COLOR.		SEX OF CHILD.			NATIVITY.										LOCALITY.						
						FATHER.					MOTHER.					BY WARDS.						
	White.	Black.	Sex not stated.	Male.	Female.	United States.	Canada.	Ireland.	Other Countries.	Unknown.	United States.	Canada.	Ireland.	Other Countries.	Unknown.	Ward I.	Ward II.	Ward III.	Ward IV.	Ward V.	Unknown.	Total.
January	35	0	0	20	15	20	8	1	5	1	22	7	1	5	0	1	7	10	5	12	0	35
February	43	0	0	22	21	29	13	0	1	0	34	8	1	0	0	1	19	9	3	11	0	43
March	39	0	0	21	18	24	11	0	4	0	27	8	0	4	0	3	8	11	5	12	0	39
April	41	0	0	18	23	32	7	0	2	0	30	11	0	0	0	1	14	12	5	9	0	41
May	28	0	0	20	8	21	6	0	1	0	19	7	0	2	0	1	1	10	4	12	0	28
June	45	0	0	16	29	34	6	0	5	0	31	8	2	4	0	5	13	6	6	15	0	45
July	41	0	0	29	12	25	10	1	3	2	30	5	2	4	0	0	13	12	9	7	0	41
August	54	0	0	30	24	42	3	3	6	0	38	8	2	6	0	3	10	26	4	11	0	54
September	37	0	0	18	19	20	12	0	5	0	21	12	0	4	0	2	7	18	4	6	0	37
October	45	0	0	17	28	31	4	1	8	1	33	4	0	8	0	2	13	18	5	7	0	45
November	32	0	0	19	13	18	8	1	5	0	18	9	1	4	0	1	10	10	0	11	0	32
December	20	0	0	11	9	11	6	0	1	2	12	7	0	1	0	1	7	2	4	6	0	20
Totals	460	0	0	241	219	307	94	7	46	6	315	94	9	42	0	21	122	144	54	119	0	460

Age of Mothers. No.	Age.
1	15
1	16
8	17
14	18
18	19
20	20
20	21
19	22
18	23
29	24
22	25
21	26
31	27
29	28
31	29
23	30
15	31
20	32
12	33
19	34
14	35
7	36
16	37
20	38
8	39
5	40
5	41
5	42
4	43
1	44
2	45
1	46
1	*
460	

* Not stated.

Table No. 3.—Months, Deaths, Color, Sex, Social Condition, Ages, Locality and Nativity of Decedents.

SEASONS.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
Deaths	26	31	34	30	21	26	24	37	26	22	21	28	326
Still Births	2	2	1	4	2	1	2	1	0	1	1	0	17
Totals	28	33	35	34	23	27	26	38	26	23	22	28	343
COLOR.													
White	28	33	35	34	22	27	26	38	26	23	22	28	342
Colored	0	0	0	0	1	0	0	0	0	0	0	0	1
Totals	28	33	35	34	23	27	26	38	26	23	22	28	343
SEX.													
Male	12	12	16	19	11	16	12	21	12	11	8	15	165
Female	16	21	19	15	12	11	14	17	14	12	14	13	178
Totals	28	33	35	34	23	27	26	38	26	23	22	28	343
SOCIAL CONDITIONS.													
Married	9	10	13	8	6	7	10	7	4	6	2	9	91
Widowed	7	4	6	4	1	4	3	3	7	3	6	9	57
Single (over 14)	6	9	6	5	3	3	2	1	1	1	2	4	43
Not stated	0	0	0	0	1	0	0	0	0	0	0	0	1
Totals	22	23	25	17	11	14	15	11	12	10	10	22	192
AGES.													
Under 1 year	6	6	7	16	9	11	9	23	13	9	8	5	122
1 to 5 years	0	1	3	1	2	0	1	4	0	1	4	1	18
5 to 10 years	0	3	0	0	0	1	0	0	0	1	0	0	5
10 to 20 years	2	1	2	0	1	2	1	0	2	2	1	2	16
20 to 30 years	3	4	2	1	0	2	3	0	1	0	2	2	20
30 to 40 years	3	3	2	1	3	0	1	1	0	0	0	3	17
40 to 50 years	2	4	5	4	2	2	5	0	0	0	1	2	27
50 to 60 years	2	4	5	3	1	2	2	2	2	4	1	2	30
60 to 70 years	4	2	3	2	2	2	0	3	2	2	1	4	27
70 to 80 years	3	3	4	5	2	1	2	4	3	2	2	4	35
Over 80 years	3	2	2	1	1	4	2	1	3	2	2	3	26
Not stated	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	28	33	35	34	23	27	26	38	26	23	22	28	343

Table No. 3.—Months, Deaths, Color, Sex, Social Condition, Ages, Locality and Nativity of Decedents.

SEASONS.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
DEATHS BY WARDS.													
Ward I	3	2	7	5	2	5	5	2	1	3	3	2	40
Ward II	4	7	9	11	4	5	7	5	6	6	1	7	72
Ward III	12	9	6	7	9	7	8	17	12	6	7	0	106
Ward IV	3	7	5	4	4	3	1	3	1	3	2	4	40
Ward V	6	8	8	7	4	7	5	11	6	5	9	8	84
Not stated	0	0	0	0	0	0	0	0	0	0	0	1	1
Totals	28	33	35	34	23	27	26	38	26	23	23	28	343
NATIVITY OF DECEASED.													
United States	19	23	24	27	18	24	20	31	22	16	18	21	263
Canada	6	3	7	3	1	2	2	4	2	4	2	5	41
Ireland	3	3	2	2	2	0	1	2	2	1	1	1	20
Other countries	0	1	1	2	0	1	2	0	0	2	1	1	11
Not stated	0	3	1	0	2	0	1	1	0	0	0	0	8
Totals	28	33	35	34	23	27	26	38	26	23	22	28	343

Table No. 4.—Mortuary Report for the Year 1901.

CAUSE OF DEATH.	Months.												
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
Abscess, Lumbar	...	...	1	...	...	...	...	...	...	...	...	...	1
" of Middle Ear	1	1	...	...	...	...	...	...	...	...	...	...	2
" Pelvic	...	...	...	...	...	...	...	...	...	...	...	...	...
" of Rectum	...	...	...	...	...	...	...	...	...	...	...	...	...
" Tubercular	...	...	...	...	1	...	...	...	...	...	...	...	1
Accidents, R. R.	...	...	1	...	1	...	...	...	...	...	...	1	3
" Drowned	1	1	...	...	...	...	1	...	...	...	...	...	3
" Burning	...	...	2	...	...	...	...	...	...	...	1	...	3
" Scalding	...	...	...	...	...	...	...	...	...	...	1	...	1
" Fracture of Hip	...	...	...	...	...	...	...	1	...	...	...	...	1
" Fracture of Skull	...	1	...	...	...	...	...	...	...	1	...	...	2
Alcoholism	...	...	...	...	...	1	...	...	...	...	...	...	1
Anæmia, Pernicious	...	...	...	...	2	...	...	...	...	...	...	...	2
Angina Pectoris	...	...	...	...	...	1	...	1	...	...	...	...	2
Anasarca	...	...	...	...	...	...	...	1	...	...	...	...	1
Appendicitis	...	...	...	...	...	...	...	...	1	...	...	...	1
Apoplexy	1	1	2	...	1	...	1	...	1	...	1	...	8
Arteriosclerosis, Cerebral	...	...	...	...	...	...	1	...	...	...	...	...	1
Asphyxia	...	...	1	1	...	...	...	...	...	...	...	...	2
Asthma, complicating Grippe	...	...	...	...	...	...	...	...	...	...	...	...	...
Bright's Disease, Acute	2	...	1	...	...	...	...	...	...	...	...	...	3
" " Chronic	...	...	...	...	...	...	...	...	...	...	...	2	2
Bronchitis, Acute	...	...	...	...	...	...	...	...	...	...	1	...	1
" Chronic	1	1	...	...	...	...	...	...	...	...	...	...	2
" Capillary	...	1	1	3	...	...	...	...	1	1	...	2	9
Cancer	...	2	...	...	...	...	1	...	...	...	...	...	3
" of Breast	...	1	...	...	...	...	...	...	...	...	...	...	1
" of Stomach	...	...	...	1	...	1	...	...	...	...	...	...	2
" of Uterus	...	...	...	...	1	...	...	...	...	...	1	...	2
" of Lip and Throat	...	...	...	1	...	...	...	...	...	...	...	...	1
Carcinoma of Liver	...	...	...	...	...	...	...	...	...	1	...	1	2
Cholera Infantum	...	...	...	...	...	2	...	9	7	1	1	1	21
" Morbus	...	...	...	...	...	...	...	...	1	...	...	...	1
Cirrhosis of the Liver	...	...	1	...	...	...	...	...	...	...	...	...	1
Congestion of the Lungs	...	...	...	...	...	...	...	...	1	...	...	...	1
" Cerebral	1	...	1	...	...	...	...	...	...	...	...	...	2
" Pulmonary	1	...	...	...	...	...	...	...	...	...	...	...	1
Cyanosis	...	...	...	...	2	...	1	1	...	...	1	...	5
Colic	...	...	...	...	...	...	1	...	...	...	...	...	1
Colitis, Entero	...	...	...	...	...	...	...	1	...	...	...	...	1
" Ileo	...	...	...	...	...	...	...	2	...	...	...	...	2

TABLE NO 4—Continued.

CAUSE OF DEATH.	Months.												
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
Consumption of the Throat	...	...	...	...	...	...	...	...	...	1	...	...	1
Convulsions	...	...	2	2	...	1	...	...	...	...	...	...	5
" Heat Stroke	...	...	...	...	...	1	...	...	...	...	...	...	1
" Infantile	...	...	...	...	...	1	...	...	...	...	...	...	1
Cystitis, Chronic	...	...	...	...	...	1	...	...	...	...	...	...	1
Diabetes	1	...	...	1	...	...	...	1	...	...	...	...	3
Diarrhœa	...	...	...	...	...	...	1	...	1	...	...	...	2
Dropsy	...	1	...	...	...	...	1	1	...	...	...	...	3
Diphtheria	...	...	...	...	1	...	...	...	...	...	...	...	1
Dysentery	...	...	...	...	...	...	...	...	1	...	...	...	1
Eczema, Chronic	...	...	...	...	...	...	...	...	...	...	...	1	1
Enteritis	...	...	...	...	...	...	...	3	...	...	...	...	3
Epilepsy	...	...	...	...	...	...	1	...	1	...	...	...	2
Exhaustion from Nervous Disease	...	...	...	1	...	...	1	...	1	...	...	...	3
" " Heat	...	...	...	...	...	1	...	...	...	...	...	...	1
" " Insanity	...	1	...	...	...	...	...	...	...	...	...	...	1
" " Empyalma	...	...	...	...	...	...	...	...	...	...	...	1	1
Edema of Lungs	...	...	...	...	...	1	...	...	...	...	...	...	1
Endometritis	...	1	...	...	...	...	...	...	...	...	...	...	1
Erysipelas and Meningitis	...	...	...	...	1	...	...	...	...	...	...	...	1
Fever, Continued	1	...	...	...	...	...	...	...	...	...	...	...	1
" Intermittent	1	...	...	...	...	...	...	...	...	...	...	...	1
" Lung	...	...	...	...	...	...	...	...	...	1	...	...	1
Gastro Enteritis	...	...	1	...	...	...	2	...	...	...	...	...	3
General Debility	1	...	...	...	...	...	...	...	...	...	...	...	1
Heamophila	...	1	...	...	...	...	...	...	...	...	...	...	1
Heart, Diseases of	3	2	3	2	1	3	1	...	...	3	1	2	21
Hemorrhage of Inseral Gland	...	...	...	1	...	...	...	...	...	...	...	...	1
Hip Joint Disease	...	...	...	...	...	1	...	...	...	...	...	...	1
Hemi-plegia	...	...	...	...	...	...	...	...	1	...	...	...	1
Imperfect Development	...	...	...	...	...	...	...	1	...	...	...	...	1
Inanition	...	...	...	...	...	1	...	...	1	...	...	...	2
" Premature Birth	...	...	...	...	...	1	...	...	...	...	...	...	1
" and Old Age	...	...	...	...	1	...	...	...	...	...	...	1	2
Internal Injury	...	...	...	...	...	...	...	...	...	...	1	...	1
Internal Injury and Heart Complic'tns	...	...	...	...	...	1	...	...	...	...	...	...	1
Intestinal Indigestion	...	...	...	...	...	...	...	1	...	...	...	...	1
" Obstruction	...	...	...	...	...	...	...	...	1	...	...	...	1
Malnutrition	...	...	...	...	...	1	...	...	...	...	...	...	1
Marasmus	...	...	...	...	2	...	...	2	1	...	1	1	7
Malignant Disease of Uterus	...	...	...	...	...	...	...	...	...	...	1	...	1

TABLE NO. 4.—Concluded.

CAUSE OF DEATH.	Months.												
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.
Malignant Tumor	...	...	...	1	...	...	...	...	...	...	...	...	1
Malaena	...	...	...	...	...	...	...	...	...	...	...	1	1
Meningitis	...	1	2	3	2	...	1	3	...	1	...	...	13
" Cerebro-Spinal	1	1	...	...	...	...	...	...	...	...	...	...	2
" Tubercular	...	...	...	...	1	...	1	...	...	...	...	...	2
Nephritis, Acute	...	1	...	...	1	...	...	...	...	...	...	...	2
" Chronic	...	1	...	...	1	...	...	...	...	...	...	1	3
" Interstitial	...	...	...	2	...	...	...	...	...	...	...	...	2
Nonclosure of Foramen Ovale	...	...	...	...	...	...	...	...	...	1	...	...	1
Old Age	...	2	...	...	1	...	...	2	3	2	...	2	12
Operation, Disease of Liver	1	...	...	...	...	...	...	...	...	...	...	...	1
Ovarian Tumor	...	...	1	...	...	...	...	...	...	...	...	...	1
Placenta Previa	...	...	...	...	...	...	...	1	...	...	...	...	1
Phthisis	3	2	5	1	...	3	3	3	...	...	2	3	25
Paralysis	2	1	1	1	...	2	1	2	1	...	...	1	12
" Senile	...	...	...	1	...	...	...	...	...	...	...	...	1
Paresis	...	...	1	...	...	...	...	...	...	...	...	...	1
Pericarditis, Chronic	...	...	...	...	...	...	1	...	...	...	...	...	1
Peritonitis	...	...	2	...	...	...	...	...	...	...	...	...	2
Pleurisy	...	...	...	...	...	...	1	...	...	...	...	...	1
Pneumonia	1	4	1	6	...	...	...	...	...	1	...	...	13
" Bronchial	1	...	...	...	...	...	...	...	...	...	2	1	4
" Lobular	1	...	...	...	...	...	...	...	...	...	...	...	1
Poisoning, Wood Alcohol	...	...	...	...	...	1	...	...	...	...	...	...	1
Premature Birth	...	...	...	...	...	1	1	1	1	...	2	2	8
Prolonged Labor	...	...	...	...	...	...	...	...	...	2	...	...	2
Sarcoma	...	1	...	...	...	...	...	...	...	...	...	...	1
Septicæmia	...	...	...	...	...	...	...	...	...	...	1	...	1
Shock, Surgical	...	1	...	1	...	...	2	...	...	1	...	1	6
Still Birth	2	2	1	4	2	1	2	1	...	1	1	...	17
Suicide, Carbolic Acid	1	...	...	...	...	...	...	...	...	...	...	...	1
Syphilis	...	...	1	...	...	...	...	...	...	...	...	...	1
Tetanus	...	...	...	...	...	...	...	...	...	2	...	...	2
Tuberculosis	...	...	...	...	1	...	...	...	1	...	1	1	4
" of Intestine	...	...	...	...	...	...	...	...	...	1	...	...	1
" Infantile	...	...	...	...	...	...	...	...	...	1	...	...	1
" Pulmonary	...	...	...	...	...	...	...	...	...	...	...	1	1
" Pulmonary and Intest'nl	...	...	...	...	...	...	...	...	...	...	...	1	1
Typhoid Fever	...	...	2	1	..	...	...	..	...	...	1	...	4
Uremia	...	...	1	...	...	...	...	...	...	1	...	...	2
Uremic Convulsions	...	1	...	...	...	...	...	...	...	...	...	...	1
Whooping Cough	...	...	...	...	...	...	...	...	...	...	1	...	1
Totals	28	33	35	34	23	27	26	38	26	23	22	28	343

Table No. 5.—Contagious Diseases and the Number of Deaths Therefrom.

SEASONS.	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Totals.	Deaths.
DISEASES.														
Diphtheria & Membranous Croup	2	...	1	...	1	...	3	5	1	1	...	...	14	1
Measles	5	1	19	12	86	17	3	...	...	...	...	...	143	...
Scarletina	...	...	...	1	1	...	...	1	4	1	1	...	9	...
Small Pox	...	...	...	...	...	...	...	...	...	31	10	26	67	...
Typhoid Fever	...	1	3	2	2	...	2	1	7	1	1	2	22	3
Totals	7	2	23	15	90	17	8	7	12	34	12	28	255	4

METEOROLOGICAL OBSERVATIONS, City of Burlington, Vt.

By Charles E. Allen.

Elevation 377 feet above tide water. Latitude 44° 28′. Longitude 73° 12′.

Hours of observation, 7 A. M., 1 P. M., 9.30 P. M.

Maximum and minimum temperature and the range of temperature, at hours of observation, for the year 1901; the mean range of each month in the year, the monthly precipitation and the mean monthly, annual and general average, 1840-1902.

	Jan.			Feb.			Mar.			Apr.			May.			June.			July.			Aug.			Sept.			Oct.			Nov.			Dec.			
	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	Max. Temp.	Min. Temp.	Range of Temp.	
1901	38	−12	50	39	−4	43	52	−2	54	72	30	42	80	40	40	96	48	48	93	58	35	86	60	26	82	36	46	72	32	40	60	11	49	64	−2	66	44.91 *a*
1840 to 1902	45	−12	57	47	−11	58	54	0	54	69	20	49	81	37	44	87	46	41	89	52	37	86	49	37	81	37	45	69	27	42	59	13	46	48	−6	54	47. *b*
Mean Monthly Average of Temperature.																																					
1901	18.09			14.40			29.28			45.91			56.55			66.84			72.16			70.15			61.09			50.27			33.68			27.52			45.49 *c*
1840 to 1902	18.56			20.40			24.45			42.41			55.41			65.36			69.23			67.16			59.01			47.53			35.89			23.67			44.09 *d*
Monthly Precipitation.																																					
1901	1.76			.67			2.73			3.11			3.96			4.70			2.29			3.18			3.07			2.88			1.84			3 69			33.88 *e*
1840 to 1902	1.81			1.52			1.95			2.			2.96			3.21			3.86			3 61			3.56			3.29			2.61			1.89			32.26 *f*

a Mean annual range of temperature 1901. *b* Mean annual average 1840 to 1902. *c* Mean temperature for 1901.
d Mean average of temperature 1840 to 1902. *e* Total inches for 1901. *f* Mean annual average, inches, 1840-1902.

METEOROLOGICAL OBSERVATIONS, City of Burlington, Vt.

TABLE 2.—Mean Periodical and General Average of Temperature, 1840–1902.

DECADES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Mean Temperature by Decades.
1840 to 1850.....	19.91	19.96	30.36	43.59	55.42	65.10	69.18	68.99	59.31	46.71	36.88	24.05	44.96
1850 to 1860.....	19.24	21.24	29.60	40.68	53.70	63.87	69.11	65.31	58.02	47.26	35.59	21.77	43.78
1860 to 1870.....	17.08	19.84	27.75	40 83	53.38	63.34	67.20	65.14	56.94	45.08	34.99	21 58	42.76
1870 to 1880.....	19.72	19.87	28.15	41.45	54.73	65.70	69.64	66.79	58.21	48.09	34.03	22.87	44.10
1880 to 1890.....	18.75	20.78	28.36	43.22	58.19	66.62	71.16	67.66	60.64	47.82	36.53	26.09	45.48
1890 to 1902.....	20.05	20.73	29.18	44.71	57.07	67.52	70.51	69.10	60.94	50.20	37.32	25.76	46.09
Mean average for sixty-two years..	19.12	20.40	28.90	42.41	55.41	65.36	69.43	67.16	59.01	47.53	35.89	23.68	44.52

BROAD LAKE CLOSED.

1890, February 10, 21 and March 7.
1891, January 27, February 14 and March 8.
1892, February 14.
1893, January 16.
1894, February 6 and 12.
1895, February 7.
1896, February 17.
1897, January 31.
1898, January 30.
1899, February 1.
1900, February 28.
1901, February 1.
1902, January 30.

BROAD LAKE OPENED.

1890, February 11, 28 and March 12.
1891, January 31, February 27 and April 2.
1892, April 3.
1893, April 12.
1894, Feb. 10 and March 15.
1895, April 19.
1896, April 17.
1897, April 10.
1898, March 16.
1899, April 20.
1900, April 19.
1901, April 11.

REPORT

OF THE

CITY PHYSICIAN.

To the Honorable, the City Council, City of Burlington:

Since my last report, I have visited the Poor Farm 42 times. The health of the inmates, upon my last visit, I found generally good. In addition to my duties at the Poor Farm, I have been called upon, as City Physician, to attend 1456 patients in 147 families, making 807 visits. Included in this list are 9 births, 111 consultations at house, 538 consultations at office. Of this number there have been 8 deaths, viz: cancer uteri, one; cholera infantum, one; paralysis, one; heart disease, one; senile debility, one; asphyxia, one; peritonitis, one; phthisis, pulmonalis, one.

Respectfully submitted,

W. J. LABELLE, M. D.,

City Physician.

Burlington, Vt., January, 1902.

THIRTEENTH ANNUAL REPORT

OF THE

WATER COMMISSIONERS.

To the Honorable, the City Council, City of Burlington:

GENTLEMEN:—As enjoined by the city ordinances, the Water Commissioners submit their report for the year ending December 31, 1901.

The receipts from water rates for the year have been $47,831.58, a decrease of $1,262.93 from the receipts of the previous year. The decrease is the result of a reduction of rates that has been in effect during the whole of this year, and the five per cent. discount amounted to about $2,400.00 on the collections made.

We are pleased to report a very small amount of uncollected bills, there being only $59.26 now due for water, and we feel the present ordinances, relative to collections, are giving very general satisfaction to consumers, and well protect the interests of the city. The water is now shut off in only four places for non-payment.

The pumping station and reservoirs are in good condition, and some improvements have been made during the year. The pumps have proved fully equal to all requirements, and the cost for running them has not been excessively large, but there is no doubt that new pumps, with the modern improvements, would supply the same amount of water at a less cost, so that on the ground of economy, and to insure against any possible contingency, there should be new pumps installed within a very few years, and the present pumps held in reserve, as an emergency

supply, although, as yet, there has never been a lack of water to supply every demand.

All constructive work ordered by your Honorable Board, has been completed and is now in use. The laying of the new main in the Lower Road was tedious and expensive, as much rock was encountered that required drilling and blasting, but it was accomplished at a cost within the estimate and the appropriation for that purpose.

The conditions, relative to the stone post to mark the boundary of right of way, and the occupation of Lake street by the Central Vermont Railroad, remain the same as reported last year.

During the year we have had a careful inspection of the intake pipe made by Mr. Falcon, the gentleman who laid it when it was put down, and the Superintendent who, also, made a personal examination of some parts of the work many feet below the surface of the lake. The whole line was found in excellent condition, and tests have proved there were no appreciable leaks. The quality of our water continues to be of the very best.

The amount provided for disbursement during the year, being the sum received for water in 1900, has enabled the department to pay the current expense for the year,interest on the water bonds, the sum of $6,421.50 for construction, as ordered by the City Council, and to deposit in the sinking fund, for liquidating the water works indebtedness, the sum of $7,665.64.

There has been paid into the sinking fund of the water department, since the charter was amended in 1896, a total of $32,410.74, on which interest, in a savings bank, would exceed $1,595.98, and make present amount in excess of $34,006.72.

Your Water Commissioners have a confident hope that when the $160,000.00 of water bonds, due in 1906, are payable, the sum in the sinking fund will reduce the issue of the new

bonds by an amount that will add strength to the now high credit of the city, and show that Burlington creates a sinking fund to liquidate maturing liabilities.

For details of the work of the department and other information, we refer you to the accompanying report of the Superintendent, which is very complete.

Respectfully submitted,

J. W. GOODELL,
J. E. MEAGHER,
J. E. LANOU,
} Water Commissioners.

THIRTY-FIFTH ANNUAL REPORT

OF THE

Superintendent of Water Works.

To the Honorable Board of Water Commissioners of the City of Burlington, Vt.:

GENTLEMEN:—The following is a statement of the receipts and disbursements of the Burlington City Water Works for the year ending December 31, 1901.

RECEIPTS.

From L. C. Grant, City Treasurer:		
Amount of appropriation for current expenses	$46,638 79	
Amount of appropriation for sinking fund	2,454 67	
Total amount of appropriations		$49,093 46
Receipts for material and labor		1,354 21
Transfer from current to construction account		6,421 50
		$56,869 17

DISBURSEMENTS.

Construction:

Labor on mains	$2,570 12
Cast iron pipe	1,934 49
Tools and supplies for rock cut	461 00
Lead, yarn, etc.	313 25
Damage	13 88

Wrought iron pipe	$346 73	
Labor on services	302 03	
Boxes	280 00	
Stops	200 00	
		1,128 76
Total construction		$6,421 50

MAINTENANCE.

Current:

Pay-rolls	$2,921 11	
Salary of Superintendent	1,200 00	
Intake inspection and repairs	660 20	
Stable expenses	580 05	
Salary of Registrar	480 00	
City of Burlington, other departments,	470 08	
Material for management and repairs,	463 87	
Care and repair of reservoir premises,	402 51	
Service boxes	400 00	
Hydrant inspection and repairs	393 26	
By order of City Council	350 01	
Salary of Water Commissioners	300 00	
Care and repair of tank	127 97	
Printing, advertising and postage	120 55	
Pipe and fittings	119 63	
Office expenses	82 71	
Care and repair of watering troughs,	73 60	
Telephone rent	70 00	
Repair of tools	56 72	
Prof. W. H. Freedman, electrical survey	40 00	
Taking samples for State Board of Health	20 75	
Damages	20 49	
		$9,347 51

Replacing of cement pipe with cast iron:				
Labor			$2,305 24	
Pipe			2,004 95	
Stops and gate valves			946 41	
Lead, yarn, etc.			424 44	
				$5,681 04
Interest:				
Interest on debt				$9,920 00
PUMPING.				
Low Service Station:				
Fuel			$4,028 72	
Pay-rolls			2,038 45	
Repairs to buildings and grounds			735 13	
Repairs to machinery			497 60	
Well house			316 60	
Supplies			212 85	
Rolling grates			200 45	
Gas			62 08	
			$8,091 83	
High Service Station:				
Station pay-roll		$171 45		
Repairs to building		28 89		
Fuel and lights		25 56		
Steam pump, fuel,	$40 70			
Steam pump, pay-roll	20 25			
Steam pump, repairs,	6 39			
		67 34		
Motor, pay-rolls	$116 25			
Motor, repairs	64 52			
		180 77		
			474 01	
				$8,565 89

Meters:		
Pay-rolls	$1,378 36	
Meters	1,166 66	
Freight and repair bills	301 07	
		$2,846 09
Total maintenance		$36,360 53

TRANSFERS.

To sinking fund, 5% required	$2,454 67	
To sinking fund, surplus funds	5,210 97	
To construction account	6,421 50	
Total transfers		$14,087 14
Total disbursements		$56,869 17

RECAPITULATION

RECEIPTS.

From L. C. Grant, City Treasurer		$56,869 17

DISBURSEMENTS.

Transfer to construction		$6,421 50	
Transfer to sinking fund, 5% required		2,454 67	
Transfer to sinking fund, surplus funds		5,210 97	
Total transfers			$14,087 14
Construction			6,421 50
Current	$9,347 51		
Replacing	5,681 04		
Pumping	8,565 89		
Meters	2,846 09		
		$26,440 53	

Interest	9,920 00	
Total maintenance	$36,360 53	
Total disbursements		$56,869 17

WATER TAX COLLECTIONS.

RECEIPTS.

Schedule rates	$ 9,001 93	
Meter rates	38,829 60	
Total receipts		$47,831 53

DISBURSEMENTS.

L. C. Grant, City Treasurer	$47,831 53

UNPAID WATER RATES.

Schedule rates, three in number	$ 7 87	
Meter rates, eight in number	51 39	
Total unpaid water rates forward to 1902		$59 26

AUDITORS' STATEMENT.

We, the undersigned, have examined the books and vouchers for the year 1901, of F. H. Crandall, Superintendent of the City Water Works, and find them correct.

We also find that the provisions of the water ordinance, relative to collection of water rates, discount, penalty, etc., have been fairly and impartially administered.

JOHN C. FARRAR,
THOMAS FAILEY,
GEO. W. BECKWITH, } Auditors.

Statement of assessments and current expenditures for the year ending December 31, 1901.

The paid assessments of this statement are the receipts for the year, less whatever portion of the same was assessed previous to January 1, 1901. The unpaid are the unpaid of January 1, 1902, less whatever portion of same are of more than one year's standing.

ASSESSMENTS.			DISBURSEMENTS.		
PAID.					
Meter rates....	$38,459 67		Interest		$ 9,920 00
Sched. rates..	8,962 08		Replacing cement pipe ..		5,681 04
	$47,421 75		Current	$9,347 51	
Mat. and labor,	1,235 28	$48,657 03	Pumping	8,565 89	
UNPAID.			Meters	2,846 09	20,759 49
Meter rates....	$35 90		Total maintenance		$36,360 53
Sched. rates....	7 87		Excess of assessments over disbursements for the year 1901		$12,422 61
	$43 77				
Mat. and labor	82 34	$ 126 11			
		$48,783 14			$48,783 14

1901.	WATER PUMPED.	Gallons.
January		23,485,950
February		24,764,300
March		26,099,075
April		21,591,900
May		24,481,025
June		30,589,400
July		33,020,050
August		28,168,050
September		24,535,350
October		26,960,025
November		20,492,925
December		20,497,725
Total		304,685,775

Total, 1900	312,896,525
Decrease in 1901	8,210,750
Daily average in 1901	834,755
Daily average in 1900	857,250

SERVICES.

There have been added 72 services of the following sizes:

Sixty	½	inch.
Five	¾	inch.
One	1	inch.
Five	2	inch.
One	6	inch.

Of the above, a ½ inch service for Mr. Fred Johonnott on South Union street was put in prior to road improvement, and has not, as yet, been taken up. A ½ inch service for Dr. Lund, No. 52 Monroe street, and a ¾ inch service for Dr. Wilder, No. 253 Pearl street, replace old services.

HYDRANTS.

There have been two new public hydrants set during the past year on the Lower Road to Winooski. During the progress of the season's work, the following changes were made.

Two hydrants in the North Lumber Yard were discontinued. The hydrant on the west side of Elmwood avenue at Spring street was replaced by a hydrant on the north side of Spring street in triangular grass plot.

The four inch post hydrant on Loomis street at Union street was replaced by a larger hydrant with six inch branch and base. The four inch post hydrant on the north-west corner of Union and Adams streets was replaced by a larger hydrant with six inch branch and base, located on the south-west corner of Adams and Union streets. A four-way hydrant was set in the yard at the Low Service Station.

Total number of public hydrants	177
Total number of private hydrants	37
Total	214

SUPPLY PIPE.

Two hundred twenty-four feet of one inch supply pipe in School street have been discontinued during the past season, leaving the total length of supply pipe now in use, 14,156 feet.

MAINS.

New mains have been laid as follows:

	Feet.
WITH 10 INCH CAST IRON PIPE.	
Lower Road to Winooski, from 8 inch westerly	848
WITH 8 INCH CAST IRON PIPE.	
Lower Road to Winooski, from 6 inch westerly	1,048
WITH 6 INCH CAST IRON PIPE.	
Lower Road to Winooski, from Colchester avenue southerly	1,051
Orchard Terrace from Buell street, southerly	147
North street from Mansfield avenue, westerly	427
WITH 4 INCH CAST IRON PIPE.	
Green street from Loomis street, southerly	175
School street from Loomis street, northerly	224
Total length of new mains	3,920

Cement pipe in the following streets has been replaced:

	Feet.
WITH 8 INCH CAST IRON PIPE.	
South Union street from Maple to Adams streets	610

WITH 6 INCH CAST IRON PIPE.

Loomis street from Union street westerly to iron pipe..	669
North Union street at Loomis street.....	108
North Union street from North street to Winooski Ave.	457
Spring street from Walnut street to North Bend street,	472
Elmwood avenue from Spring street to Cedar street...	600
South Union street from Adams street southerly to iron pipe	455
Maple street at South Union street.....	108
Total replaced	3,479

LENGTH OF PIPE NOW IN USE.

Cement	31,942 feet.	6 miles.
Cast iron	174,440 feet.	33 miles.
Total	206,382 feet.	39 miles.

GATES.

The following gates have been discontinued:

Loomis street at Union	1	4	inch.
Maple street at Union	1	4	"
Union street opposite No. 319.....	1	4	"
Union street at Adams.....	1	4	"
North street at Willard	1	4	"
Total discontinued	5		

Gates have been set in the following locations:

Lower Road to Winooski	2	6	inch.
Orchard Terrace at south line of Buell.....	1	6	"
Maple street at east line of South Union.....	1	6	"
Maple street at west line of South Union.....	1	6	"
Union street at south line of Adams.....	1	6	"
Spring street at west line of Walnut.....	1	6	"
Spring street at east line of North Bend.....	1	6	"
Elmwood avenue at Spring	1	6	"

Elmwood avenue at north line of Cedar	1	6	"
Union street at north line of Adams	1	8	"
Union street at south line of Maple	1	8	"
Green street at south line of Loomis	1	4	"
School street at north line of Loomis	1	4	"
Union street at north line of Loomis	1	6	"
Union street at south line of Loomis	1	6	"
Loomis street at east line of Union	1	6	"
Loomis street at east line of School	1	6	"
Robinson-Edwards Lumber Co., fire service, Pine street	1	6	"
Burlington Water Works, fire service, Lake front,	1	6	"
Total	20		
Total now in use	633		

REPAIRS.

The repairs for the year have been:

On cement pipe	1 break.
On cement pipe	1 leak.
On iron pipe	1 joint leak.
On service pipes	8 leaks.
On gates	1
On hydrants	12

In compliance with the instruction conveyed by the following resolution, a six inch fire service has been laid from Pine street and connected with the four inch service from Champlain street, as requested by the Robinson-Edwards Lumber Company, at an expense of three hundred and ninety-nine dollars and forty-seven cents, which has been paid by the said company.

"Resolution relating to laying of water main on the premises of the Robinson-Edwards Lumber Company.

City of Burlington, in the year One Thousand Nine Hundred.

Resolved by the City Council of the City of Burlington, as follows:

THAT the Water Commissioners be, and they are hereby instructed, to lay a water main across the land of Robinson & Edwards, if so requested in writing, upon the receipt of a check for the estimated cost of the work, with the understanding that when the land upon which this main is laid, is accepted by the city as a street and the work of laying water main ordered by the City Council in said street, the main will then be purchased by Commissioners of the Burlington City Water Works at price paid for it. Should the expense of said work be less than the estimate, said Robinson & Edwards shall be repaid the difference between the actual cost and the sum advanced by them; should the expense of said work be greater than the estimated cost, said Robinson & Edwards shall pay to the city the excess of actual cost above the estimated cost."

Approved November 30th, 1900.

ELECTROLYSIS.

An examination, made by Professor W. H. Freedman of the Electrical Engineering Department of the U. V. M., indicates electrical conditions not materially different from those obtaining in 1896, when Mr. H. A. Storrs, then Professor of Electrical Engineering at the University, made a similar investigation.

A comparison of the figures, obtained by Prof. Freedman in this city, with those contained in reports on electrolysis in other cities, serves to indicate that the electrical deterioration of water pipes in this city is not takng place with any considerable degree of rapidity.

SINKING FUND.

Deposits to this fund have been made with the City Treasurer as follows:

Dec. 31, 1899,	Construction account for the year..	$2,726 42
Dec. 31, 1900,	Construction account for the year..	2,200 00
Dec. 31, 1901,	Construction account for the year..	6,421 50
	To be applied in reduction of the bonded debt.	
September 10, 1897,	5 per cent. required by charter.	$2,360 25
August 4, 1898,	5 per cent. required by charter...	2,259 16
August 10, 1899,	5 per cent. required by charter...	2,297 94
August 14, 1900,	5 per cent. required by charter...	2,439 13
August 8, 1901,	5 per cent. required by charter...	2,454 67
November 9, 1899,	surplus funds.....	4,000 00
December 31, 1899,	surplus funds.....	1,531 17
December 31, 1900,	surplus funds.....	9,857 45
December 31, 1901,	surplus funds.....	5,210 97
Total	.....	$32,410 74

HIGH SERVICE.

The consumption on the high service, as indicated by the pumping record of that station, was about thirteen million gallons, or about 4% of that of the low service. Of this amount about 82% was measured to consumers through meters; 1% was estimated to have been used where meters stopped and where it was inexpedient to apply meters, 5% was the estimated loss in the motor, and about 12% remains unaccounted for.

About 81% of the pumpage was accomplished by the automatic machine, operated by down town consumption, and the remaining 19% by the auxiliary steam plant.

METERS.

There are now in use 2,401 meters, an increase of 90 over last year.

Of the water pumped, 54% has passed through meters yielding 81% of the revenue.

Respectfully submitted,

F. H. CRANDALL, Supt.

Statement of Examination of City Water made at the Laboratory of the State Board of Health.

Number.	Collected.	Examined.	Turbidity.	Sediment.	Color.	Odor. Cold.	Odor. Hot.	Residue. Total Solids.	Residue. Loss on Ignition.	Residue. Fixed Solids.	Ammo. Free.	Ammo. Albuminoid.	Chlorine.	Hardness.
11397	2-27-01	2-28-01	None.	Very slight.	.1	None.	None.	6.76	1.40	5.36	.0034	.0134	.11	4.4
11621	3-18-01	3-18-01	"	"	0.1	Faint.	Faint.	7.04	1.28	5.76	.0024	.0142	.05	4.6
11623	3-18 01	3-18-01	"	"	0.1	"	"	6.72	1.56	5.16	.0024	.0142	.05	4.6
11624	3-18-01	3-18-01	"	"	0.1	"	"	8.56	1.56	7.0[illegible]	.0026	.0122	.06	4.6
11625	3-18-01	3-18-01	"	"	0.1	No[illegible]e.	None.	6.44	1.72	4.72	.0028	.0126	.05	4.6
11626	3-18-0[illegible]	3-18-01	"	"	0.1	"	"	6.44	1.56	4.88	.0016	.0124	.04	4.4
11627	3-18-01	3-18-01	"	"	(.1	Very faint.	Very faint.	6.68	1.72	4.96	.0020	.0130	.09	4.4
11654	3-20-01	3-20-01	"	"	0.1	Faint.	Faint.	6.32	1.40	4.92	.0020	.0138	.08	4.4
11801	4- 1-01	4- 1.01	Very slight.	"	0.2	Distinct.	Distinct.	6.00	1.90	4.10	.0016	.0153	.05	4.6
11802	4- 1-01	4- 1-01	"	"	0.2	"	"	7.00	2.10	4.90	.0028	.0136	.05	4.6
11803	4- 1-01	4- 1-01	None.	"	0.2	"	"	8.50	1.90	6.60	.0022	.0140	.04	5.0
11804	4- 1-01	4- 1-01	"	"	0.2	"	"	7.90	1.90	6.00	.0028	.0136	.05	5.0
12082	4-27-01	4-27-01	Very slight.	"	0.2	"	"	7.12	1.68	5.44	.0012	.0196	.11	4.4
12328	5-17 01	5-17-01	Slight.	Slight.	0.3	Faint.	Faint.	7.60	1.40	6.20	.0040	.0150	.10	4.6
13231	7-26 01	7-29-01	None.	Very slight.	0.1	None.	None.	7.00	1.25	5.75	.0038	.0168	.12	4.7
13232	7-26-01	7-29-01	Distinct.	Slight.	0.1	"	"	7.15	1.75	5.40	.0018	.0186	.14	4.7
13629	8-22-01	8-22-01	"	"	0.2	Faint.	Faint.	6.40	1.30	5.10	.0012	.0140	.14	5.0
13974	9-20-01	9-20-01	"	Very slight.	0.1	Distinct.	Distinct.	6.75	1.60	5.15	.0014	.0134	.11	4.4
14371	10-21-01	10-21-01	"	"	0.1	"	"	6.40	1.70	4.70	.0012	.0106	.10	4.5
14856	11-29-01	11-29-01	Very slight.	"	.08	Very faint.	Very faint.	6.50	1.65	4.85	.0006	.0098	.11	4.2
15045	12-13-01	12-13-01	Slight.	Slight.	.03	"	"	6.60	1.80	4.80	.0018	.0086	.13	4.2
15087	12-17-01	12-17-01	Decided.	Considerable.	Cloudy.	Distinct.	Distinct.	7.35	2.15	5.20	.0012	.0112	.11	4.4
15109	12-18-01	12-18-01	D stinct.	Slight.	"	Very faint.	Very faint.	7.05	2.10	4.95	.0018	.0116	.13	4.4
15123	12-19 01	12-19-01	Slight.	"	.10	Faint.	Faint.	6.90	2.60	4.30	.0012	.0096	.14	4.2

Statement of Examination of City Water made at the Laboratory of the State Board of Health.—*Continued.*

Source.	Bacteria. No. per c. c.	Bacteria. No. Colon per c. c.	Nitrogen as Nitrates.	Nitrogen as Nitrites.	Microscopically.	Remarks.
Tap at Laboratory	132	----------	----	----	A few cil. prot. a little amor., veg. deb.	B. and C. water is a good quality
Tap at 476 St. Paul St.	700	----------	.0140	.0000	Num. cil. prot. a few diatoms	" " " " "
67 Elmwood Ave.	600	----------	.0120	.0000	A few inorganic-cry. cil. prot. diatoms	" " " " "
72 Chase St.	1000	Pres. few.	.0130	.0000	" " " " "	C. is unob. B. shows pres. of colon bac.
109 Summit St.	600	Few.	.0130	.0000	" " " " "	" " " " " "
Reservoir tap	1000	Pres. few.	.0130	.0000	" " " " "	" " " " " "
Pump. Sta. tap	900	Pres. few.	.0130	.0000	" " " " "	" " " " " "
Tap at Laboratory	700	----------	.0170	.0000	Negative	B. and C. water is a good quality
Tap at low ser. Res.	900	----------	.0150	.0000	Ciliated protozoa diatoms	" " " " "
H. S. Tap at Summit St.	900	----------	.0150	.0000	" " "	" " " " "
Tap at 72 Chase	500	----------	.0160	.0000	" " "	" " " " "
Tap at low ser. sta.	400	----------	.0170	.0000	Few veg. fibres, cil. prot. diatoms	" " " " "
Tap at Laboratory	300	----------	.0190	.0000	Ciliated protozoa, amor. matter diatoms	" " " " "
Tap at Laboratory	100	----------	.0190	.0000	Diatoms, protozoa, amor. matter	" " " " "
North Reservoir	300	No.	0160	0000	Ciliated protozoa, few dia. amor. matter.	" " " " "
South Reservoir	400	"	.0070	.0000	" " " "	" " " " "
Tap at Laboratory	----	----------	.0080	.0000	Many asterionella and synedra, few prot.	" " " " "
Tap at Laboratory	600	----------	.0100	.0000	Small amt. of prot., quite a large amt. dia.	" " " " "
Tap at Laboratory	600	----------	.0150	.0000	" " " veg. matter; also a few protozoa and diatoms	" " " " "
Tap at Laboratory	800	Yes.	.0170	.0000	Some asterionella, few synedra, pulchella, slight amt. of amor. matter	C. is unob. B. shows pres. of the baccillus coli communis (sew. bacteria)
Tap at Laboratory	1200	----------	.0170	.0090	Small amt. of veg. and amor. matter	B. and C. water is a good quality
Tap at Laboratory	6400	Pres. few.	.0200	0000	Small amt. of asterionella, large amt. of amor. matter	C. is unob. B. shows pres. of the bac. coli. communis—sen. bacteria
Tap at Laboratory	8400	Pres.	.0200	.0000	Large amt. of amor. matter, few asterionella, and synedra	C. is unob. B. shows pres. of the bac. coli. communis—sew. bacteria
Tap at Laboratory	2400	----------	.0120	.0000	Small amt. of asterionella, large amt. of amor. deposit	C. is unob. biologically the no. of bacteria is high.

1901

SUMMARY OF STATISTICS

SUGGESTED BY THE

New England Water Works Association.

Burlington City Water Works.
Burlington, Chittenden County, Vermont.
Population by U. S. census, 1900, 18,640.
Works constructed 1867-8.
Owned by City.
Source of supply, Lake Champlain.
Mode of supply, pumping.

PUMPING.

1. Builders of pumping machinery, H. R. Worthington.
2. Description of fuel. { *b* Bituminous. *d* Clearfield. *e* $4.05.
6. Total pumpage for the year, 304,685,775 gallons.
7. Average static head against which pumps work, 289 feet.
8. Average dynamic head against which pumps work, 316 feet. (*Cost of pumping, figured on Pumping Station expenses, viz., $8,565.89.*)
11. Per million gallons raised against dynamic head into reservoir, $28.17.
12. Per million gallons raised one foot high (dynamic), $0.089. (*Cost of pumping, figured on total maintenance, viz., $36,360.53.*)
13. Per million gallons raised against dynamic head into reservoir, $119.60.
14. Per million gallons raised one foot high (dynamic), $0.378.

FINANCIAL.

Division I. MAINTENANCE.

RECEIPTS.		EXPENDITURES.	
From Consumers:		AA. Management and repairs.	
A. Water rates, domestic	$37,898.68	Repl. cement	$5,681.04
B. Water rates, manufactur'g	3,168.65	Current	9,347.51
		Pumping	8,565.89
C. Net receipts for water	$41,067.33	Meters	2,846.09
D. Miscellaneous	1,354.21		$26,440.53
E. Total	$42,421.54	BB. Interest on bonds	9,920.00
From public funds:			
F. Hydrants	$3,540.00		
G.* Fountains and pks.	708.74	CC. Total maintenance	$36,360.53
H.* Street watering	1,732.88	DD. Bal. to Con.	$6,421.50
I.* Public buildings	433.59	Bal. to S. F.	6,403.71
Watering troughs	237.50		
Other public use	111.49	Total balance	$12,825.21
	$ 6,764.20		
K. Gross receipts from all sources	$49,185.74	EE. Total	$49,185.74

*Paid at meter rates.

Division II.

From fixed rates.

L. Domestic	$ 9,001 93	
M. Manufacturing		
N.		$ 9,001 93

From meter rates.

O. Domestic	$35,660 95	
P. Manufacturing	3,168.65	
Q.		$38,829 60
Total		$47,831 53

CONSTRUCTION.

RECEIPTS.		DISBURSEMENTS.	
T. Trans. from Cur. App.	$6,421.50	FF. Extension of mains	$5,292.74
		GG. Extension of services	1,128.76
V. Total	$6,421.50	KK. Total	$6,421.50

W. Cost of works to date $474,461 23
X. Bonded debt at date 248,000 00
Y. Value of sinking fund at this date, about... 34,000 00
Z. Rate of interest, four per cent.

CONSUMPTION.

1. Estimated total population at date, 19,000.
2. Estimated total population on lines of pipe, 18,500.
3. Estimated total population supplied, 18,400.
4. Total number of gallons consumed for year, 304,685,775.
5. Passed through domestic meters, 148,191,420 gallons, or 49 per cent.
6. Passed through manufacturing meters, 16,389,750 gallons, or 5 per cent.
7. Average daily consumption, 835,249 gallons.
8. Gallons per day to each inhabitant, 44.
9. Gallons per day to each consumer, 40.
10. Gallons per day to each tap, 244.

DISTRIBUTION.

MAINS.

1. Kind of pipe, cement lined, cast iron, wrought iron.
2. Size from 4 to 30 inches.
3. Extended, 7,399 feet.
4. Discontinued, 3,479 feet.
5. Total now in use, 39 miles.
6. Cost of repairs per mile, $6.86.
7. Leaks per mile, .3.
8. Small distribution pipes less than four inch, total length, 14,156 feet.
9. Hydrants added, 1.
10. Number now in use, 214.
11. Stop-gates added, 15.
12. Number now in use, 633.
13. Small stop-gates less than four-inch, total 59.
14. Number of blow-off gates, 12.
15. Range of pressure on mains at center, for day and night, 70 to 85 pounds.

SERVICES.

16. Galvanized iron, cast iron and lead.
17. From one-half to six inches.
18. 2,042 feet
19. 79 feet.
20. 18.5 miles or 97,862 feet.
21. Service taps added, 70.
22. Number now in use, 3,420.
23. Average length of services, 28 feet.
24. Average cost of services, $8.00.
25. Meters added, 90.
26. Meters now in use,
    a. domestic 2,359
    b. manufacturing 42
    Total 2,401
27. Motors and elevators added, 2.
28. Number now in use, 35.

STORAGE.

Earthwork reservoirs, low service, capacity 7,000,000 gallons; iron tank, high service, capacity 169,617 gallons.

THIRTY-SIXTH ANNUAL REPORT

OF THE

CHIEF ENGINEER

OF THE

FIRE DEPARTMENT.

To the City Council of the City of Burlington:

GENTLEMEN:—I have the honor herewith to submit the annual report of the Fire Department for the year ending December 31, 1901, including a complete inventory of property under my charge, a particular statement of all fire alarms and fires which have occurred during the past year, together with the cause of such fires, as far as have been ascertained, with an exhibit of all the losses caused by such fires, and all insurance thereon. Also a general statement of the engine, hook and ladder truck, hose carriages, chemical engine, fire alarm, telegraph, and water facilities; a statement of expenditures for the year 1901, and an estimate of revenue required to maintain and increase the department for the ensuing year, together with such recommendations and general information in regard to the Fire Department as may be of interest to your honorable body.

During the year the department responded to 52 alarms, an increase of 5 alarms attended over previous year; 41 gong alarms, 10 still alarms and one false alarm.

MANUAL FORCE.

The department consists of the following officers and men: One chief engineer, two assistant engineers, one electrician, four captains, four drivers and five pipemen. Total regular force 14, with 27 call men; total force 41.

APPARATUS.

The apparatus of the department consists of the following: One second-class Button steam fire engine, one Babcock double tank chemical engine (50 gallon tanks), three four-wheel two-horse hose wagons, one hook and ladder truck, one exercise wagon and three hose sleds, one sled having been built this year.

HOSE.

The department has at present 3,650 feet of good hose and 1,550 feet of medium quality hose.

HORSES.

There are now nine horses in the department, several of which have been replaced during the past year on account of poor condition. The condition of seven is, at present, all that could be desired. There are two which are beginning to fail and will soon be unfit for this service. During the year four were purchased and three sold.

HARNESSES.

The harnesses in the department are in fair condition, but will soon need repairing, and one new set should be purchased.

HOUSES.

At present all houses are in a good state of repair, except that stations two and three are in need of painting to prevent them from decaying.

FATALITIES.

During the year one fatality occurred at one of the fires responded to by the department, viz: the one on November 20, at 5.45 P. M. An alarm was sounded from box 55, summoning the department to the two story frame dwelling located on

Spruce Court. This alarm was caused by the explosion of a coal oil lamp, which was in the hand of the occupant of the house, Mrs. Anna Howard. She was immediately enveloped by the blazing oil and so seriously burned that death resulted in a few days. Her son was also seriously burned about the hands while trying to save his mother.

CASUALTIES.

Three slight accidents to members occurred during the year.

FIRE LOSS.

The most reliable statistics place the estimated loss at $15,760.61; insurance paid, $14,175.47; estimated value of property involved, $178,170.33.

The cost of maintaining the department the past year was $15,299.68, and the appropriation was $14,000.00. As it is impossible to run this department with the appropriation made last year, I would ask that the appropriation for the year 1902 be $16,000.00, as we are greatly in need of new apparatus, hose, and other supplies to maintain the efficiency of the department.

NUMBER OF BUILDINGS IN THE CITY.

Brick and stone buildings, eleven hundred and ninety-two; wooden buildings, three thousand three hundred and twenty-nine. Of this number, twelve are double tenements. Eighty-eight buildings were erected in 1901, including one eight tenement block.

FIRE ALARM CHANGES AND IMPROVEMENTS.

During the past year several changes have been made. The lines have been renewed and made more substantial, and the fire alarm is now in good condition. One new fire alarm box was added last year, (No. 49) at the corner of Buell street and

Orchard Terrace. Box 42 has been replaced by a keyless box, one of the latest and most improved boxes, giving an easier method of sending in an alarm. All material and labor involved in these changes were furnished by the New England Telephone and Telegraph Co., without any expense whatever to the city.

WATER SUPPLY.

Our water supply is in good condition. The pumping station has two pumps with a capacity of 1,800,000 gallons of water every twenty-four hours. This capacity gives an average water pressure of about 75 pounds and an extreme pressure of 120 pounds. We now have in use in our city 213 hydrants.

I would also call your attention again to the necessity of adding to the number of fire hydrants, as at present in some parts of the city it requires long lines of hose, a decided detriment to the working of the department. In order to get the full power of our hydrants and do good and effective work, our lines of hose should be made as short as possible.

The first cost of putting in a hydrant is practically the only expense, as the maintenance thereafter is merely nominal. Therefore, in my judgment, it is cheaper to have a larger number of hydrants and less quantity of hose.

RECOMMENDATIONS.

Under this head I beg to call your attention again to the urgent necessity of the adoption of the recommendations made in previous reports which have not been acted upon. Briefly they are as follows:

(1) A horse and wagon for the chief. This horse could also be used as an extra horse in case any accident may occur; (2) A suitable building at station one for the hook and ladder company; (3) A modern hook and ladder truck, as the one now in use is not equal to the rest of the apparatus, and the inconvenience of the arrangements for the handling of this piece

of apparatus has been plainly apparent for some time; (4) The connection of all stations with the public telephone; (5) The appointment of a city electrician; (6) The adoption of rules and regulations for the use and storage of calcium carbide and gasoline; (7) The purchase of smoke protectors for the use of the department, as, in my opinion, they are the most practical instrument in aiding the department to save life and property; (8) The urgent need of a new exercise wagon, as the one now in use is in an unsafe condition. In its present condition it is dangerous to life to respond to an alarm as it is beyond repairing; and (9) The necessity of additional fire alarm boxes. Some portions of the city are unprovided for, and it is misleading to the department when responding to an alarm in some parts of the city, the distance between boxes being so great.

ELECTRICAL INSPECTOR.

As this is an important matter in connection with the Fire Department, I feel it my duty to again call your attention to the subject. I would recommend that there be a city electrician, and that he have the supervision of the construction of all wires and appliances used in the interior of all buildings, public or private, including electrical plants, and of every wire and appliance within any building designed to carry or supply electrical current, and that he have the right to prohibit the use of any wire or appliance which shall be defective or dangerous, either in material or workmanship. Experience is teaching us that in the construction of wires and appliances designed for electrical purposes upon public streets and in private ways, there is great danger to life and property, unless such work is properly performed. Up to this time there has been no adequate means provided by the city for an intelligent supervision of such work. A longer delay in this matter may bring serious results.

OVERHEAD WIRES.

The obstructive and evil effects of our system of overhead wires in this city have been pointed out in previous reports and cannot be too strongly condemned at this time. While some wires are about to be placed under ground, yet in the heart of our city to-day is a perfect network of overhead wires. This obstruction is the most serious matter that we have to contend with at the present time and should be corrected as soon as possible. Under the present condition of things it would be almost impossible to raise our extension ladder in the heart of the city, especially at night, when cross wires cannot be seen. Should a serious fire occur, this condition of affairs would greatly hamper our department. As there is now an ordinance for the removal of overhead signs and awnings which are also an obstruction to the department, I would recommend that your honorable body include in that ordinance that *all* overhead wires in the business section of our city be put underground, and that we make every effort to have this evil corrected before disastrous results follow.

RECOMMENDATION.

I would also recommend that a part of the city market be given to the Fire Department for a general supply station for the whole department to furnish storage for the annual supply of feed for the horses of the department. The department has at the present time no general feed supply station, and provisions are bought piecemeal, necessarily at top price of the market.

With the market building as a general storehouse, contracts could be made for enough feed of all kinds to supply the department for one year, and provisions could be secured in bulk at greatly reduced expense. I estimate that one-third or one-fourth of the amount expended yearly for feed could be

saved by using the market as a storage station and making annual feed contracts.

As opportunity permits, certain horses ought to be turned out to good pasture during the fall and summer months. When horses are turned out on good pasture they come back greatly benefited. The change from grain to grass rests the digestive system and is cooling and purifying to the blood. Another advantage is the benefit to the feet and limbs. The feet grow, become tough and healthy and remain sound. There should always be kept in the fire department one extra horse to take the places of horses that become temporarily incapacitated for duty. I believe it would be found more economical to keep one extra horse for substitution than to be continually borrowing or hiring.

REMARKS.

During the past year only one fire of any magnitude has occurred. The total fire loss for the year is somewhat smaller than last year, and the total results for the year are very creditable to the Fire Department.

The present state of the department, with a record of the work performed during the past year, is set forth *in extenso* in this report. The department is in a good state of efficiency, which is evidenced by a glance at the results accomplished during the year.

While the element of good fortune is to be taken into consideration, the results attained are due, in large degree, to the promptness with which alarms are transmitted, the quick response by the department and the fearless and intelligent work of the members of the department when the scene of the fire is reached. As a fire fighting machine, the department, as it stands to-day, is the embodiment of much that modern science, skill and mechanical ingenuity has been able to devise, manned by men in the main, intelligent, courageous and devoted.

While it is a fact that no city in the land can boast of a superior equipment, so far as quality and comprehensiveness of apparatus is concerned, or a more intelligent and devoted corps of firemen, at the same time it is important to remember that the size of the department, considering the present growth of our city, is inadequate to meet the demands liable to be made at any time upon it. Large sections of our city, in which are located valuable properties, are still without proper protection, for example, the southern part of the city. It is hoped that the needs of this section may receive due consideration, and that the necessary additions may be provided.

The small loss caused by fire during the present year to date, has, no doubt, been on account of the success of the combination of chemicals that are in service. They have fully demonstrated that they are a valuable adjunct to the department. The celerity with which they can be operated is the means of preventing heavy damage by water, and the expense of charging them is only trifling. Of all the fires and alarms from all sources to date, fully 86 per cent. were extinguished by chemicals.

APPOINTMENTS AND COMPENSATIONS.

As this is a very important matter for consideration, I deem it proper at this time to make some suggestions which will, I think, improve the service. The success and efficiency of this department depends entirely upon the kind of material we select to operate it. If, in making appointments, good, bright and intelligent men are selected, then the department will soon attain that high standard of efficiency so much desired. If on the other hand, our selections are of an inferior class of men, incompetent and unfit for the service, then our department will never reach that point of efficiency that we are looking for. I think this department should be made up of the best material that can be selected, and every inducement offered for mechanics to seek positions in the department.

As to compensation, I believe in paying good men a fair price for their labor, as I think a poor and incompetent man in this business is dear at any price. I wish it understood at this time, that I am in favor of an increased compensation for our men, as the allowance here is less than in any other city of this size. But I also want it understood that this increase in pay must be brought about by their own labor. I shall expect every man to improve his own condition, for by so doing he will improve the condition of the department. I feel it my duty to recommend to your honorable body to allow for such increased compensation as may be agreed upon. I think this is the proper solution of this question, and I hope it will have careful consideration.

For the best interest of the Fire Department I feel it incumbent upon me to here pass opinion again on a resolution submitted last year to the Board of Aldermen regarding the rating of payment of the call men on a system of percentage; attendance at every fire during a year giving a perfect percentage, absences from fires lowering the percentage, the rating and payment of the men corresponding to their percentage of standing.

In my opinion this system is not for the best interest of the Fire Department. Under such a system the men have come to feel a certain amount of liberty to absent themselves from fires if the same occur at a time inconvenient or unpleasant for them to attend. They feel that in absenting themselves they merely suffer the loss only of a small percentage. This might prove a serious matter if it should occur on some night when weather conditions tended to keep many indoors.

Furthermore, the keeping of such a percentage system, as can be readily understood, is such a complicated matter and requires such an endless amount of detail work, that is is highly impracticable. Far better be it to have it definitely understood

what amount of compensation the call men are to receive, have attendance at all fires where their services are needed, compulsory, and have sickness, death in the family, or permitted absence from home, the only excuse that would be accepted for non-attendance at fires.

That the present system of pay for call men fails in its purpose, seems to be fully demonstrated the past year. It affects the efficiency of the department, for at present they may simply sign the weekly register and attend no fires whatever, and yet receive a part of the amount allowed. They may also leave the city without permission and return at their leisure, and it also conflicts with the rules governing the department.

In closing this thirty-sixth annual report, I wish to extend to the officers and members of this department my sincere thanks for the faithful manner in which they have performed their several duties. I also extend to your honorable body my sincere thanks for the many courtesies shown me by you while in the discharge of my duties. Your willingness at all times to aid us by furnishing such improvement as the organization of this department has demanded from time to time, has been very gratifying to me, and should be appreciated by all citizens interested in the welfare of our department.

My thanks are extended to all persons with whom I have been associated in the performance of my official duties as chief of the department.

Respectfully submitted,

MOSES MURRAY,

Chief Engineer Burlington Fire Department.

STATION No. 1.

LOCATED ON CHURCH STREET.

With this company is a chemical engine built by the Babcock Fire Extinguisher Co., of Chicago, Ill., placed in service March 1, 1895. It has two fifty gallon tanks, weighs 4,930 pounds when in use, and is drawn by two horses. Also a two-horse, four-wheeled hose wagon built by Gleason & Bailey, Seneca Falls, N. Y., placed in service March 21, 1895, weighs 4,730 pounds and is capable of carrying 1,300 feet 2½ inch rubber-lined hose.

ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
1	W. J. Brown,	Captain,	14 Walnut,	44	May 20, 1895.
5	H. M. Riley,	Electrician,	186 Elmwood Ave.,	39	July 1, 1895.
9	Peter Benoit,	Driver,	190 No. Battery,	29	Sept. 1, 1897.
11	Geo. Hurlbert,	Driver,	56 Murray,	26	May 15, 1900.
12	F. W. Sager,	Engineer,	172 Shelburne,	24	.....
13	Wm. Longe,	Pipeman,	20 School,	24	.....
14	G. W. Green,	Pipeman,	49 George,	41	.....

INVENTORY STATION NO. 1. APPARATUS ROOM.

One hose wagon complete, 1 chemical engine, 1 clock, 1 indicator, 14 pairs rubber boots, 3 rubber hats, 1 ball nozzle and pipe, 1900 feet rubber-lined hose in good condition, 1000 feet rubber-lined hose in fair condition, 1 27-foot sliding pole, 3 play pipes, 1 deluge set, 12 rubber coats, 3 hydrant wrenches, 3 perfection holders, 30 feet ½-inch rope, 7 spanners, 3 hose patches, 13 ladder straps, 2 wrenches, 1 sliding pole guard, 2 hydrant gates, 1 exercise wagon, 50 feet garden hose in good condition, 4 horses, 2 full sets double harness, 4 halters, 4 street blankets, 3 surcingles, 3 leading chains, 2 whips, 2 sets

combs and brushes, 2 grain boxes, 2 2-quart measures, 2 stable forks, 1 hay fork, 2 stable brooms, 2 stall hooks, 4 water pails, 4 sponges, 1 box harness soap, 1 small and 1 large basket, 2 wet bandages, 2 heavy bandages, 1 ankle boot, 1 medicine chest, 1 box shoe calks, 1 calk wrench, 4 stalls complete, 1 wagon jack, 1 box wagon grease, 2 scoop shovels, 8 bushels oats, 3 bales hay, 4 harness hangers, 1 oil stone, 1 work bench, 1 wood vise, 1 iron vise, 1 water cooler, 1 gas lighter, 12 cuspidors, 1 hot water heater and boiler, 1 ice chisel, 1 wire door mat, 5 old chairs, water sprinkler, 1 scrub brush, ¼ gallon sperm oil, 1 can burnishine, 1 extra hub band, 2 brush brooms, 1 shoe brush, 5 whiffletrees, 2 door releasers, 4 door springs, 1 horse trip, 4 drop hitching bolts, 14 tons coal, 1 furnace shovel, 1 coal hod, ½ dozen old hose couplings, 4 gallons acid, ½ gallon acid measure, 2 dripping pans, 2 rubber scrapers, 3 mops, 1 8-foot step ladder, 1 5-gallon oil can, 2 dust pans, 2 chamois skins, 2 oilers, 1 window brush, 1 hose mender, 2 hand saws, 1 draw shave, 1 mallet, 1 2-foot square, 1 bit brace, 1 belt punch, 2 wood chisels, 1 extension bit, 1 rimmer, 2 countersinks, 8 bits, 2 jack planes, 1 hammer, 2 files, 1 pair plyers, 150 pounds ground feed, 30 pounds bran, 1 try square, 12 bedsteads complete, 70 yards old carpet, 1 desk, 1 centre table, 15 hardwood chairs, 10 softwood chairs, 10 lockers, 7 bath towels, 20 roller towels, 1 carpet sweeper, 2 wool dusters, 1 hamper, 1 basket, 2 chandeliers of two lights, 1 chandelier 3 lights, 4 wall gas jets and globes, 1 mirror, 2 towel racks, 67 window shades, 14 window screens, 1 60-gallon oil tank, 1 floor oiler, 1 new hose sled, 3 rubber covers, 3 stable blankets, 1 manure box, 1 combination hand tool, 1 14-inch Stilson wrench, 1 horse clipper machine, 1 box lubricating, 20 pounds oil meal, 50 feet ⅞ rope, 2 pairs extra harness hangers complete, 3 snow shovels, 2 rivet swedges, 5 monkey wrenches, 5 house brooms, 1 5-gallon oil can, 1 7-inch compass, 1 1-gallon oil can, 350 pounds straw,

1 rivet machine, 1 3½-foot table, 1 4½-foot step ladder, 1 gallon floor oil.

INVENTORY ENGINEER'S OFFICE. STATION NO. 1.

One roller top desk, 2 revolving desk chairs, 9 common chairs, 2 rocking chairs, 1 waste basket, 1 centre table, 80 yards carpet, 5 fire hats and belts, 1 ink well, 3 extra hat badges, 3 engineer's hat front pieces, 2 pads, 1 dozen pens, ¼ box brass fasteners, 1 book fire records, 2 gas chandeliers 3 lights, 4 arm chandeliers, 1 bottle mucilage, one lot of stationery, 1 sponge cup, 1 ledger, 1 letter file, 1 small desk.

SUPPLIES, ENGINEER'S OFFICE. STATION NO. 1.

6½ doz. cakes soap, 2¾ doz. common soap, 41 packages matches, 8½ doz. rubber gaskets, 3 gallons witch hazel, 30 spanners, 14 charges for hand extinguishers, 25 lbs. cotton waste, 9 providers, 46 rolls toilet paper, 12 gallons disinfectant; 3 old play pipes, 2 new extra wheels and pole for hose wagon, 7 extra pole snaps, 1 pair eveners and whiffletrees, 100 lbs. soda, 6 old hand extinguishers, 4 stall bolts, 8 5-inch pulley blocks, 20 fire coned hats, 9 hose hooks for tower, 14 packages window cleaner, 8 doz. common wicks, 3 extra spokes for wagon, 6 extra rein snaps, ½ bottle of ink, 1 gross crayons, 12 boxes harness blacking, 2 chamois skins, 5 lbs. rags, 1 stable broom, 1 collar strap, 5 sheets, 26 old chairs, 1 new limb cutter, 9 old spittoons, 2 lantern burners, 5 lbs. petroleum, 2 lantern globes, 1 10-foot American flag, 5 gallons polish, 1 hitch strap, 6 house brooms, 4 mop rags, 8 boxes shoe blacking, 2 horse collars, 1 pair harness hangers, 1 hay fork, 2 pair harness spring holders, 8 salt sacks for horse rubbers, 1 pair extra reins, old, 4 mantels, 4 mogul snaps, 3 scrub brushes, 18 cakes castile soap, 1 lantern, 2 pair blanket pins, 9 doz. coat buttons, 4 doz. vest buttons, 25 gallons K oil, 5 cans prixene, 1 spring for harness hanger, 4 sponges, 2 shoe dobbers.

ELECTRICAL DEPARTMENT.

INVENTORY.

Thirty-five city fire alarm boxes—4 private, 50 poles, 18 miles wire, 825 glass insulators, 6 tap bell strikers, 25 brackets, 1 repeater, 4 indicators, 5 galvanometers, 100 batteries in use, 68 rubber hooks, 20 pounds okenite wire, 150 cross arms, 5 hard rubber plug outs, 1 repeater table, battery shelves, automatic gas lighter, 11 matchless gas burners, 1 pair magnets, 2 pair nippers, 2 Welsbach burners, 1 time indicator, 1 hatchet, 1 hand vise and strap, 1 wire connector, 4 telephones complete, 33 iron key boxes, 1 19-inch gong, 150 feet of ½ inch rope, 1 set of Buffalo grips, 2 bell strikers, 20 fuses, 1 pair climbers, 400 feet of weather proof copper wire, 1 chisel.

ELECTRICAL STOCK ON HAND.

One hundred battery zincs, 17 key boxes, 30 glass jars, one-half mile of No. 10 weather proof insulated iron wire, one half mile of No. 10 bare iron wire, 2 rubber plug outs, 300 pounds sulphate of copper, one-half mile old wire, 18 single fuse blocks, S. P., 4 double fuse blocks, D. P., 4 F. A. tap bells, 6 pair magnets for street boxes.

INVENTORY BOXER ENGINE ROOM.

One Hunnaman hand engine, 1 7-foot table, 1 box stove and pipe, 1 hose cart, 1 hose sled, 1 pair runners for hose cart.

AT THE ADDITION.

One four-wheel hose reel, 800 feet linen hose, poor.

STATION No. 2.

HOSE COMPANY. NO. 120 NORTH CHAMPLAIN STREET.

With this company is a two-horse four-wheeled hose wagon built by Gleason & Bailey, Seneca Falls, N. Y., put in service March 21, 1895, weighs 4,730 pounds and is capable of carrying 1,300 feet of 2½ inch rubber lined hose.

ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
3	M. Lynch,	Captain,	66 Front,	40	Mar. 21, 1895.
4	E. Lynch,	Driver,	66 North Avenue,	46	Mar. 21. 1895.
10	John Moran,	Pipeman,	182 No. Champlain	31	April 12, 1895.

INVENTORY STATION NO. 2.

One hose wagon complete, 2 horses fair condition, 1 set double harness, 1 indicator, 1 horse trip, 1 clock, 1 set harness hangers, 1 old table, 1 rocking chair, 10 common wood chairs, old, 7 spittoons, 12 window shades, 65 yards carpet, 1 looking glass, 5 bedsteads complete, 1 toilet brush and comb, 1 blacking brush, 1 sprinkler, 7 roller towels, 5 bath towels, 2 brooms, 2 stalls complete, 1 carpet sweeper, 50 feet garden hose, 2 wall lamps, 2 dust pans, 1 step ladder, 1 floor brush, 4 bars soap, 2 soap dishes, 1 desk, 2 towel racks, 1 provider, 1 hydrant gate, 1 10-foot ladder, 9 rubber coats, 12 pair rubber boots, 5 pair rubber mittens, 1 coal hod, 2 hydrant wrenches, 2 play pipes, 2 perfection holders, 2 extra tips, 6 spanners, 7 ladder straps, 2 monkey wrenches, 2 scoop shovels, 1 hammer, 1 chisel, 3 bits, 1 brace, 1 belt punch, 1 5-gallon oil can, 2 mops, 1 floor scrub brush, 3 hose patches, 2 screw drivers, 1 hot water heater, 1 20-gallon tank, 3 sponges, 1 package matches, 2 chamois skins, 1 window dryer, 1 oat bin, 1 bushel of oats, 1 bale hay, 4 tons coal, 1 wagon jack, 4 pounds waste, 7 window screens, 50 feet ¾-inch rope, 1 sliding pole, 3 pails, 1 water tank (ice), 1 brush rack, ½ can hoof ointment, 1 quart witch hazel, 1 horse boot, 4 halters, 1 pair barn blankets, 1 pair outdoor blankets, 1 whip, 1 horse scraper, 1 hoof hook, 1 steel hook, 1 pair surcingles, 1 pair Sanborn bits, 1 pair straight bits, 1 door release, 2 door springs, 3 rubber hats, 2 stall bolts, 1 small oil can, 1 sliding pole guard, 1 coal sieve, 3 lamp wicks,

1 calk wrench, ½ bale straw, 40 pounds bran, 1 iron kettle, 1 center table, 5 hardwood chairs, 4 cane chairs, 1 small and 1 large basket, 1 hay fork, 1 brush broom, 1,100 feet 2½-inch rubber lined hose in good condition, 550 feet 2½-inch hose in fair condition, 1 bottle fever drops, ½ box vaseline, 1 floor oiler, 1 curry comb, 1 card brush, 2 halter snaps, 1 box harness oil blacking, 16 rubber gaskets, 1 hose stamp, 1 6-inch bell, 1 sheep-skin duster, 2 leading chains, 1 whiffletree, 2 trace chains, 1 toilet paper hanger, 1 cake toilet soap, 1 gallon disinfectant, ½ load wood, 1 pound nails, ½ can axle oil, 3 pounds rock salt, 1 pair old pole straps, 6 charges for hand extinguisher, ½ gallon oil, 1 roll toilet paper, 1 awl, 1 snow shovel, 1 hose sled, 4 rubber covers, 1 sack salt, 2 lamp chimneys, 25 neverslip calks, 1 mop wringer, 6 yards linoleum, ½ gallon floor oil, 1 pint machine oil.

STATION NUMBER 3.

ENGINE AND HOSE COMPANY. MANSFIELD AVENUE.

With this company is a Button steam fire engine, single pump, 4-inch pump steam cylinder, 8 inches in diameter with a 9-inch stroke. Built by the American Engine Co., Seneca Falls, N. Y., was put into service in 1892; is drawn by two horses, and weighs 4,950 pounds. It is attended by a two-horse four-wheel hose wagon built by Gleason & Bailey, Seneca Falls, N. Y., and placed in service March 21st, 1895, weighs 4,730 pounds and is capable of carrying 1,300 feet of 2½-inch rubber lined hose.

ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
7	Jas. Cosgrove,	Captain,	230 No. Champlain	35	Oct. 1, 1897.
6	C. A. Niles,	Driver,	Station No. 3,	27	Sept. 7, 1895.
18	G. L. Neal,	Pipeman,	248N.WinooskiAv.,	41	May 15, 1899.

INVENTORY STATION NO. 3.

Two horse releases, one hose wagon complete, 1 double harness, 2 horses in good condition, 1 set harness hangers, 1 Button steamer complete, 1 indicator, 1 horse trip, 2 horse stalls complete, 1,400 feet rubber lined hose, good, 1 100-gallon water tank, 1 heater, 1 sliding pole, 1 clock, 1 perfection holder and nozzle, 4 extra play pipes, 11 extra tips, 1 Y, 2 hose menders, 3 providers, 1 reducer, 1 jack screw, 3 tables, 6 hardwood chairs, 1 tapper, 1 wagon jack, 1 5-gallon oil can, 1 1-gallon oil can, 4 door springs, 7 rubber coats, 5 pairs rubber boots, 1 coal tender, 2,000 pounds cannel coal, 7 tons egg coal, 10 spanners, 5 ladder straps, 1 sledge hammer, 1 screw driver, 4 S wrenches, 3 files, 1 belt punch, 1 rivet swedge, 1 bit stock, 1 chisel, 3 bits, 2 hammers, 1 hatchet, 1 blacking brush, 3 steamer oilers, 1 handsaw, 1 wool duster, 1 broom, 1 floor sweeper, 1 step ladder, 1 scrub brush, 3 pails, 24 window shades, 1 grain box, 4 bushels oats, 3 shovels, 200 pounds straw, 1 coal sifter, 1 window brush, 1 30-foot extension ladder, 2 curry combs, 1 horse brush, 1 mane brush, 1 pair shears, 1 brass scraper, 7 spittoons, 1 mirror, 3 chandeliers, 4 beds complete, 1 pair street blankets, 6 roller towels, 5 bath towels, 1 toilet comb and brush, 2 door releases, 1 pipe wrench, 2 monkey wrenches, 2 hay forks, 1 barn broom, 1 box silver dust, 6 rugs, 27 feet floor matting, 6 cane chairs, 1 work bench, 1 gas lighter, 2 whips, 1 quart cylinder oil, 1 pint machine oil, 4 charges for hand extinguisher, 2 coal hods, 1 mop, 4 rocking chairs, 1 dust pan, 1 oil stone, 1 wood plane, 1 2-foot steel square, 1 bench vise, 1 bench dog, 7 tower ropes and pulleys, 60 yards carpet, 1 crow bar, 1 pick axe, 1 garden rake, 1 2-quart measure, 17 window screens, 1 drip pan, 2 sheep-skin dusters, 1 pair dividers, 1 running board, 1 box stall, 2 cakes toilet soap, 1 load kindling wood, 1 bath sponge, 1 horse sponge, 50 feet ⅝-inch rope, 3 pairs rubber mittens, 1 Welsbach burner, 1 wash basin, 1 dozen

2½-inch rubber gaskets, 2 chamois skins, 1 hydrant gate, 2 hydrant wrenches, 20 pounds bran, 1 whisk broom, 16 gas jets, 1 manure can, 1 calk wrench, 1 horse boot, 2 horse muzzles, 1 box axle grease, 1 quart floor polish, ½ gallon disinfectant, 2 extra headstalls, 1 mop pail, 5 arm chairs, 2 common chairs, 3 rubber covers, 2 ⅜ taps, 1 mane comb, 1 horse rubber syringe, 1 new hose sled, 1 water cooler, 1 boat pump, 200 pounds hay, 3 screen doors, 1 pair tugs, 1 riding bridle, 50 feet garden hose, 100 ½-inch calks, 2 soap dishes, 2 towel racks, 1 bunch matches.

STATION No. 4.

HOOK AND LADDER, LOCATED ON MAIN STREET, CITY HALL BUILDING.

With this company is a hook and ladder truck, built over by Alex. Crosby, placed in service February 15, 1895. It is drawn by two horses from the livery stable.

ROSTER OF COMPANY.

Badge	Name.	Position.	Residence.	Age	When Appointed.
2	E. R. Brew,	Captain,	415 North,	29	Mar. 21, 1895.

INVENTORY STATION NO. 4. HOOK AND LADDER.

One hook and ladder truck, 1 65-foot Bangor ladder extension, 1 50-foot Somerville ladder extension, 1 45-foot Somerville ladder extension, 1 35-foot Somerville ladder extension, 2 24-foot ladders, 1 18-foot ladder, 1 14-foot ladder, 2 15-foot roof ladders, 2 14-foot roof ladders, 1 58-foot spliced ladder, old, 1 33-foot spliced ladder, old, 1 30-foot ladder, old, 1 21-foot ladder, old, 1 15-foot ladder, old, 2 large hooks with chain and rope, 1 small hook with chain and rope, 3 axes, 2 iron bars,

1 insulated wire cutter, 1 tin roof cutter, 1 plaster hook, 5 pairs rubber boots, 1 rubber hat, 12 pike poles, 8 ladder braces, 2 forks, 3 ladder chains, 1 monkey wrench, 2 lanterns, 5 rubber coats, 100 feet guy rope, 1 whip, 3 cuspidors, 1 coal stove with pipe, 1 small shovel, 1 indicator, 1 matchless gas burner, 1 sprinkling can, 1 iron jack, 1 mop, 1 broom, 1 tin pail, 1 dust pan, 1 chamois skin, 1 bar soap, 1 sponge, 1 dust broom, 1 coal hod, 1 small brass lock, 1 set double harness, part new, 300 feet of ⅝-inch manila rope, 1 snowshovel, 2 rubber covers.

CALL MEN'S AVERAGES AND PAY FOR THE YEAR ENDING DECEMBER 31, 1901.

	Average.	Amount.
Alex. Croto	97.50%	$72 50
F. Walker	98.75	73 75
G. W. Green	71.25	52 50
W. H. Mossey	96.25	71 25
G. C. Brew	97.50	72 50
T. Lapoint	57.25	35 00
J. T. Baker	86.67	46 25
W. L. Foy	83.33	42 50
W. Powers	95.00	70 00
J. Benoit	93.33	57 50
T. Butler	87.50	62 50
P. Murphy	98.75	73 75
E. H. Germain		10 00
J. Croto	87.50	62 50
T. J. McDonnell	98.75	73 75
E. Wright	91.25	66 25
H. Cunningham	95.00	74 00
S. Taylor	96.25	71 25
A. A. Arcand	93.75	68 75
J. M. Delaney	93.75	68 75

W. G. Collins	93.75	68 75
L. Pine	93.75	68 75
F. E. Lee	96.25	71 25
D. J. Leonard	92.50	41 00
O. J. Ladam	90.00	65 00
J. E. Bradley	96.25	71 25
		$1,611 25

The distribution of the prize money for 1901, given for attendance at fires, is as follows:

First prize:—

F. M. Walker, $5.00.
G. C. Brew, $5.00.
T. J. McDonnell, $5.00.
J. P. Murphy, $5.00.

Second prize:—

William Powers, $7.50.
S. Taylor, $7.50.

Third prize:—

W. H. Mossey, $5.00.
L. G. Lyon, $5.00.

Fourth prize:—

A. Croto, $1.25.
H. Cunningham, $1.25.
L. Pine, $1.25.
J. E. Bradley, $1.25.

FIRES AND LOSSES FOR 1901.

Date.	Hour.	Box.	Location.	Owner.	Property.	Estim. value of.	Estim. Loss.	Insur'ce Paid.	Origin.	Remarks.
Jan 1	5.35 p.m.	43	Main St.	W. B. Gates,	Block,	$ 10,000 00	$ 44 85	44 85	Lamp Exp.	Chem. Eng.
" 8	4.50 p.m.	27	N. Win. Ave.	O. S. Dodds,	Block,	.....	No loss	.....	Chimney,	.....
" 15	8.04 a.m.	27	N. Win. Ave.	.....	.....	.....	.....	.....	False alarm,	.....
Feb 2	8.00 a.m.	29	Loomis St.	Alvaro Adsit,	Dwelling,	.....	No loss	.....	Matches,	Hand Ext.
" 4	5.50 p.m.	13	Colchester Av.	S. M. Flint.	Barn,	399 83	399 83	399 83	Unknown,	Steamer.
" 4	11.45 p.m.	*	Smith's Lane.	C. P. Smith.	Dwelling,	.....	No loss	.....	Chimney,	Hand Ext.
" 9	9.10 a.m.	*	Church St.	Mrs.G.F.Collison,	Block,	.....	No loss	.....	K.O. stove,	Hand Ext.
" 19	5.20 a.m.	53	Foot of Batt'y.	Rutland R. R.	Roundhouse,	.....	.....	67 11	Unknown,	Water.
" 23	4.04 a.m.	41	Bank St.	Dwyer & Barrows,	Liv. Stables,	2,000 00	2,004 54	1,743 34	Unknown,	Chem&wat'r
" 27	5.02 p.m.	15	Summit St.	Mrs. M. B. Emerson	Dwelling,	16,000 00	519 4.	103 88	Ash barrels,	Chem. Eng.
Mch 1	5.06 a.m.	41	Center St.	Edward Dwyer,	Storehouse,	.....	No loss	.....	Ash heap,	Chem. Eng.
" 2	9.53 p.m.	33	North St.	J. W. Ryan,	Dwelling,	15,000 00	17 25	17 25	Lamp Exp;	Hand Ext.
" 3	2.15 p.m.	*	College St.	Wells&Rich'n Co.,	Drug house,	80,000 00	193 29	193 29	Spont. Comb,	Hand Ext.
" 3	7.43 p.m.	27	Interval Ave	Mrs. F. Borett,	Dwelling,	.....	No loss	.....	Chimney,	Hand Ext.
" 4	10.05 a.m.	52	N. Champlain.	Stand.Ice&Coal Co.	Ice House,	.....	No loss	.....	Boiling tar,	Chem. Eng.
" 6	3.28 a.m.	29	Loomis St	Alvaro Adsit,	Dwelling,	5,800 00	3,863 55	3,863 55	Hot air fur,	Chem&wat'r
" 13	2.08 a.m.	27	Interval Ave.	Mrs. F. Borett,	Dwelling,	800 50	600 00	600 00	Unknown,	Chem&wat'r
" 30	6.07 a.m.	48	Williams St.	Horatio Loomis,	Barn,	5,360 00	644 00	644 00	Unknown,	Chem&wat'r
Apr 3	3.45 p.m.	33	Front St.	Mrs. Jas. Smith,	Dwelling,	.....	No loss	.....	Defect. flue,	Hand Ext.
" 18	5.24 a.m.	45	S. Battery.	Champ. Mfg. Co.,	Shops,	.....	No loss	.....	Unknown,	Chem. Eng.
" 18	7.35 p.m.	*	Lake Side.	Rutland R. R. Co.,	Grass,	.....	No loss	.....	Sparks Loco.	Station One.
" 18	11.45 p.m.	*	Maple St.	Arbuckle Mfg. Co.,	Block,	.....	No loss	.....	Gas jet,	Chem. Eng.
" 23	2.51 p.m.	47	Pine St.	City,	Schoolhouse,	.....	No loss	.....	Waste paper.	Chem. Eng.
" 26	7.58 p.m.	32	Murray St.	Mrs. L. Thomas,	Dwelling,	2,200 00	91 79	91 79	Lamp Exp,	Hand Ext.
May 18	5.00 p.m.	42	Church St.	L. X. Fremeau,	Block,	.....	No loss	.....	Gaso. stove,	Hand Ext.
" 21	10.30 a.m.	41	Cherry St.	L. M. Barrows,	Block,	.....	43 00	43 00	Gaso. stove.	Hand Ext.
Jun 4	1.10 p.m.	41	Church St.	Helen Burritt,	Block,	12,000 00	15 00	15 00	Gas stove,	Hand Ext.
" 4	5.32 p.m.	44	College St.	Israel Colodny,	Lunch Cart,	600 00	450 00	450 00	Gaso. stove,	Chem. Eng.
" 11	9.35 a.m.	52	S. Battery.	Mrs. J. Sullivan,	Barber shop,	3,500 00	14 00	14 00	K. O. stove,	Chem. Eng.
" 28	8.32 p.m.	43	Main St.	Mrs. J. A. McCarty	Block,	.....	25 00	25 00	K. O. lamp,	Chem. Eng.

* Still alarm.

FIRES AND LOSSES FOR 1901—Continued.

Date.	Hour.	Box.	Location.	Owner.	Property.	Estim. value of.	Estim. Loss.	Insur'ce Paid.	Origin.	Remarks.
July 17	11.00 a.m.	24	Walnut St.	F. F. Saltus,	Dwelling,	900 00	300 00	300 00	K. O. stove,	Chem. Eng.
" 22	10.18 a.m.	41	Orchard Ter.	A. C. Smith,	Dwelling,	700 00	600 00	600 00	Creosote,	Chem&wat'r
Aug 4	7.00 p.m.	*	S. Battery.	Consumers Ice Co.,	Milk depot,	.....	No loss	.....	Steam boiler,	Hand Ext.
" 8	5.59 p.m.	35	N. Champlain.	Nathan Lamport,	Dwelling,	.....	No loss	.....	Chimney,	Hand Ext.
Sept 1	4.30 a.m.	*	Interval Ave.	Fred E. Davis,	Dwelling,	.....	No loss	.....	K. O. lamp,	Hand Ext.
" 1	11.10 a.m.	43	St. Paul St.	E. M. Sutton,	Dwelling,	9,500 00	1,840 00	1,684 50	Furnace,	Chem&wat'r
" 21	5.18 p.m.	27	N. Win. Ave.	Sam'l Fabricant,	Dwelling,	1,000 00	10 00	10 00	K. O. stove,	Hand Ext.
" 24	8.13 p.m.	23	N. Union St.	Mrs. M. E. Trick,	Dwelling,	5,000 00	25 00	25 00	Fireplace,	Hand Ext.
Oct 3	8.30 p.m.	41	Church St.	Brodie Estate,	Block,	.....	No loss	.....	Chimney,	Hand Ext.
" 18	9.50 p.m.	||	St. Paul St.	Brodie Estate,	.....	.....	.....	.....	.....	Hand Ext.
" 19	1.52 p.m.	33	North Ave.	H. S. Peck,	Barn,	.....	No loss	.....	Unknown,	Hand Ext.
" 28	5.35 p.m.	24	Interval Ave.	Geo. Parent,	Dwelling,	.....	No loss	.....	Lamp Exp,	Hand Ext.
" 30	6.05 a.m.	7	Lake St.	Shep.&Morse L.Co.,	Mill shed,	.....	No loss	.....	Lantern,	Water.
Nov 4	1.50 p.m.	27	N. Win. Ave.	F. Saltus, Sr.,	Dwel. & store	1,500 00	91 60	91 60	K. O. stove,	Chem. Eng.
" 7	9.50 a.m.	*	S. Battery.	Consumers Ice Co.,	Milk depot,	.....	No loss	.....	Boiler,	Chem. Eng.
" 10	7.20 a.m.	27	N. Win. Ave.	A. Mowsowitz,	Store,	.....	.....	No Ins.	Defect. flue,	Chem&wat'r
" 10	9.25 a.m.	24	Elmwood Ave.	Shep.&Morse L.Co.,	Dwelling,	.....	No loss	.....	Sparks stove,	Hand Ext.
" 15	7.37 a.m.	45	Foot College.	L.C.Y.C.&C.V.R.R.,	Club H.&Dk.,	4,120 00	3,900 00	3,080 00	Unknown,	Chem&wat'r
" 20	5.45 p.m.	55	Spruce Court,	Robert Roberts,	Dwelling,	600 00	22 50	22 50	Lamp Exp,	Hand Ext.
" 25	2.55 p.m.	27	Germain St.	Lucy Robillard,	Dwelling,	1,250 00	45 98	45 98	Spont. Comb.	Hand Ext.
Dec 9	8.30 a.m.	*	Pine St.	Gay & Henderson,	Coal heap,	.....	.....	.....	Spont. Comb.	Water.
" 10	1.10 p.m.	*	S. Champlain.	Nathan Lamport,	Dwelling,	.....	.....	.....	Defect. flue,	Hand Ext.
						$178,170 33	$15,760 61	$14,175 47		

* Still alarm. || False alarm.

Telford Paving Set Ready to Break.

REPORT

OF THE

SPECIAL COMMITTEE

ON PERMANENT STREET IMPROVEMENTS.

To the Honorable, the City Council:

GENTLEMEN:—Herewith is respectfully submitted a report of the special committee created by a resolution adopted at a meeting of the citizens of Burlington held June 18, 1901, as presented by W. J. Van Patten. The resolution reads as follows:

"Resolved, that the City Council of the City of Burlington, Vermont, is authorized to pledge the credit of the city by bonding or otherwise, in an amount not to exceed $30,000.00 for the purpose of the permanent improvement of streets and highways, within the limits of Burlington, as follows: The highway known as the Winooski Turnpike, otherwise called the Williston Road, from the head of Main street to the easterly boundary of the city. Colchester Avenue, from the head of Pearl street to the Winooski bridge. North Avenue, from Battery Park to North street. South Union street, from Maple street south to its conjunction with Shelburne street; and Shelburne street, from that point to the southerly boundary of the city.

Resolved, that all money so raised shall be used only on permanent improvements, and shall be according to plans and specifications prepared by the City Engineer, which plans shall embrace a recommendation of the extent and character of such improvements and materials to be used therein, and shall be

subject to the approval and determination of a board consisting of the Mayor, the City Engineer, and the Chairman of the Board of Street Commissioners."

After considering the several streets named in the resolution, and in view of the lateness of the season and the time that would be required to install a new crusher plant on the hill (a move that seems economical), and in view of the fact that the two crushing plants that were then in operation would be immediately available, the committee deemed it advisable to begin work on Shelburne street.

In compliance with the committee's instructions, the City Engineer began a survey of Shelburne street on June 22nd, and on June 24th, the Street Department began the work of construction near the Home for Destitute Children. At this point some extensive grading was done which resulted in reducing the grade from 8.3 per cent. to 1.825 per cent.

The work of constructing a stone roadway has been completed from a point 950 feet northerly of the South line of the city, thence northerly for a distance of 1,250 feet with 12 inch Telford paving 18 feet in width, of which the accompanying cuts illustrate the work in three stages of construction. From the northerly end of the Telford, for a distance of 4,220 feet, an eight inch Macadam roadway 18 feet in width was completed on November 2d.

Along the section of stone road so far completed, there has been constructed 3,900 feet of tile drain covered with broken stone.

The total cost of construction upon Shelburne street has been $12,374.81.

After the work was commenced on Shelburne street, the committee considered the advisability of letting some of the other streets by contract. To this end, a survey of Colchester Avenue, through its entire length, was made, specifications

Telford Paving Broken to Receive Macadam Top.

drawn up, and bids invited for the execution of the entire work.

The result was that three bids were submitted to the committee, who, after consultation with the Street Department, decided that the city could do the work at less expense. Therefore none of the bids were accepted.

With a favorable season, the committee expect to see nearly the entire work completed during the coming year.

Respectfully submitted,

DONLY C. HAWLEY,
Mayor,
H. M. McINTOSH,
City Engineer,
N. K. BROWN,
Chair. Board of Street Com.
} Committee.

REPORT

OF THE

Board of Street Commissioners.

To the Honorable, the City Council:

GENTLEMEN:—The Board of Street Commissioners of the City of Burlington, submit to your honorable body their Eleventh Annual Report, for the year ending December 31st, 1901.

The following figures will show the amount expended by us in the various departments during the year, viz:

Street Department	$41,510 89
Permanent Improvement Fund	12,519 71
Sewer Department	5,019 63
Electric Light Department	13,886 59
Making a total of	$72,936 82

STREET DEPARTMENT.

For the use of this department we have received from the City Treasurer the following several amounts:

Balance on hand January 1, 1901, $20.75; from the highway tax, $26,000.00; State highway tax, re-apportionment for 1901, $327.68; which makes the total amount for our use during the year, $26,348.43.

There has been paid into the city treasury for curbing, sidewalk and sprinkling assessments, $10,897.26, and for work done for other departments of the city, including the sale of crushed stone, collected by the Superintendent of Streets,

Finished Roadway.

$4.964.30, which amount, having been used by this department the second time, makes the total amount received by this department, $42,209.99. Of this sum there has been expended by our Superintendent of Streets during the year, as shown by his report, $41,510.89, leaving an unexpended balance on hand, January 1, 1902, of $699.10.

PERMANENT IMPROVEMENT FUND.

At a city meeting on June 18th, 1901, it was voted to place to the credit of this fund, $30,000.00, and there has been used for this purpose, $12,519.71, leaving a balance of $17,480.29.

SEWER DEPARTMENT.

The amount appropriated by the City Council and placed to our credit by the City Treasurer for sewer purposes, was $2.000.00, and there was assessed against the abutting property for the work done, as ordered by the City Council and paid into the city treasury, $5,459.60, making a total of $7,459.60. We have expended during the year, $5,019.63, leaving a balance on hand, January 1, 1902, of $2,439.97.

ELECTRIC LIGHTS.

The amount appropriated by the City Council for electric lights for the year 1901, was $13,770.00, and the cost of the same for the year was $13.886.59, leaving a shortage of $116.59.

We have now 176 lights, to which should be added a small light in Mechanic's Lane, for which the city pays $10.00, which will make the total cost for lights for the year 1902, $14,090.00.

For an itemized statement of the amount spent in the above mentioned departments, and for what purpose it has

been expended, we refer you to the report of our Superintendent of Streets.

For the uniform courtesy shown us by your Honorable Board, and your hearty co-operation in our work, we tender you our sincere thanks.

Respectfully submitted,

N. K. BROWN,
J. B. HENDERSON,
F. S. LANOU,
} Street Commissioners.

REPORT

OF THE

Superintendent of Streets.

To the Honorable Board of Street Commissioners of the City of Burlington:

GENTLEMEN:—I have the honor to present herewith my report for the period, January 1st, 1901, to December 31st, 1901, inclusive.

SEWER DEPARTMENT.

RECEIPTS.

Appropriation	$2,000 00	
Collections, sewer assessments	5,459 60	
		$7,459 60

DISBURSEMENTS.

Amount drawn from City Treasurer	$5,019 63	
On hand December 31, 1901	2,439 97	
		$7,459 60

The disbursements were as follows:

SEWERS.

Battery street	$ 329 71	
Bay View street	223 00	
North avenue	4,445 76	
North Bend street	428 17	
Willard street	255 23	
		$5,681 87
Stock on hand January 1st, 1901		662 24
		$5,019 63
Cash on hand	$2,439 97	

STREET DEPARTMENT.

RECEIPTS.

Balance January 1, 1901	$ 20 75	
Highway tax	26,000 00	
Assessments, street and sprinkling	10,897 26	
Collections, paid City Treasurer	4,964 30	
City team earnings (ledger item)	3,075 26	
State highway tax, 1901, re-apportionment	327 68	
		$45,285 25

DISBURSEMENTS.

Drawn from City Treasurer	41,510 89	
City team (ledger item)	3,075 26	
		$44,586 15
Balance January 1, 1902		$699 10

The disbursements were as follows:

STREETS.

Adams street	$ 20 00
Barrett street	47 15
Bay View street	143 33
Battery street	8 50
Beech street	36 75
Bright street	8 09
Brookes avenue	3 00
Chase street	49 00
Colchester avenue	28 10
College street	776 85
First street	25 20
Greene street	12 90
Grove street	21 22
Hayward street	19 35

Howard street	39 73	
Interval avenue	78 32	
King street	1,002 80	
Lakeside avenue	204 56	
Lake street	566 08	
Main street	172 50	
Maple street	72 75	
North street	324 10	
North avenue	545 84	
Orchard Terrace	1 05	
Park avenue	14 81	
Pearl street	5 00	
Pine street	26 47	
Spruce street	78 35	
St. Paul street	84 00	
Union street	118 35	
University Place	80 21	
		$4,614 36

CURBING.

Archibald street	$ 35 18	
Bank street	628 03	
Battery street	1.05	
Bay View street	400 07	
Bright street	642 14	
Elmwood avenue	859 19	
Prospect street	23 87	
Pearl street	18 75	
Pine street	10 62	
Spring street	837 56	
Summit street	503 28	
Union street	549 98	
Willard street	166 75	
		$4,676 47

PAVING GUTTERS.

Bay View street	$117 33	
Bright street	303 45	
Elmwood avenue	298 60	
Spring street	361 33	
Summit street	212 05	
Union street	112 95	
Wilson street	14 30	
		$1,420 01

SIDEWALKS.

Bank street	$264 12	
Battery street	492 34	
Bright street	92 53	
Elmwood avenue	505 20	
Prospect street	327 53	
Spring street	553 15	
Summit street	456 31	
Union street	727 99	
Willard street	159 97	
		$3,579 14

BASINS.

Bank street	$46 88	
Booth and North streets	26 74	
North and Russell streets	40 08	
Spring street	36 73	
Winooski avenue and Union street	43 26	
University Place	87 66	
		$281 35

GRAVELING.

Spruce street	$216 10

MACADAMIZING.

Union street	$533 35

MISCELLANEOUS.

Bridge, Winooski	$ 22 19	
Bridge, Heineberg	60 16	
City team account	2,526 10	
Cleaning basins	166 74	
Cleaning streets	3,091 65	
Crossings	124 90	
General repairs	4,126 85	
General repairs, sidewalks	642 69	
Health Department	393 12	
Insurance	47 20	
Office expenses	298 55	
Repairing tools	196 91	
Salary, City Engineer	500 00	
Salary, Clerk	624 00	
Salary, Street Commissioners	350 00	
Salary, Superintendent	1,000 00	
Snow	1,595 48	
Sprinkling	7,317 50	
Steam roller	512 77	
Tools and stock	2,593 30	
		$26,190 11
		$41,510 89

PERMANENT IMPROVEMENT FUND.

RECEIPTS.

Drawn from City Treasurer	$12,519 71

DISBURSEMENTS.

Shelburne street	$12,374 81	
Colchester avenue	144 90	
		$12,519 71

We have examined the books and vouchers of the Street Department and find them correct.

GEO. W. BECKWITH,
JOHN C. FARRAR, } Auditors.
THOMAS FAILEY,

The work of a permanent character done is as follows:

Battery street—Concrete walk 5 feet in width was laid on the east side from College street to Pearl street, and on the west side from College street to Bank street.

Bay View street—Curbed and gutters paved from the curb previously laid east of Union street to Willard street, also sewer extended a distance of 305 feet.

Bright street—Curbed, gutters paved from Winooski avenue to First street.

College street—Roadway was redressed with crushed stone from Champlain street to Lake street.

Elmwood avenue—Curbed, gutters paved and sidewalk laid from North street to Spring street.

King street—Roadway was redressed with crushed stone from St. Paul street to the Rutland Railroad track.

North street—The roadbed was redressed with crushed stone from Winooski avenue to Champlain street.

North avenue—Owing to the construction of a sewer from Strong street to the north line of the Cemetery, the roadway was repaired with gravel.

Shelburne street—Under the permanent fund an 18 foot roadway was constructed from the intersection of Willard street and Shelburne street, a distance of 5,470 feet.

Spring street—Curbed, gutters paved and the concrete sidewalks laid from Interval avenue to North Bend streets.

Summit street—Curbed, gutters paved and sidewalks laid from Maple street southerly, a distance of 450 feet.

Union street—Curbed, gutters paved, sidewalks concreted and road macadamized from North street to Winooski avenue.

Main crossings have been laid as follows:

One across Union street at Buell street, north side.
One across Union street at Buell street, south side.
One across Union street at Main street, north side.
One across Union street at North street, north side.
One across Union street at Winooski avenue, east side.
One across Buell street at Union street, east side.
One across Buell street at Union street, west side.
One across Main street at Union street, east side.
One across Spring street at Archibald street, north side.

TABLE OF SEWERS CONSTRUCTED IN 1901.

Where Laid.	Description.	Length Feet.	Size In.	* M. H.	† L. H.	Assessed City.	Assessed Property.	Total Cost.
Battery Street.....	Poplar street, southerly....	390.3	8	.....	1	1.17	328.54	329.71
Bay View Street...	Extended easterly.....	304.82	8	.....	1	3.80	219.20	223.00
North Avenue.....	Strong street, northerly.....	1306.45 1566.55 501.47	15 12 10	8	4	200.09	4245.67	4445.76
North Bend Street	North avenue, easterly.....	242.25 142.	10 8	.....	1	14.54	413.63	428.17
Willard Street.....	Pomeroy street, northerly.....	339.5	10	.....	1	2.67	252.56	255.23
Totals.....	.....	4793.34	.....	.....	.....	222.27	5459.60	5681.87

* Manholes. † Lampholes.

The above sewers were constructed of Akron vitrified tile, circular in shape.

The following table shows the amount of curbing, paved gutters and concrete walks built in 1901:

Streets.	Curbing, feet.	Paving, feet.	Concrete, feet.	Concrete, Sq. yards.
Archibald St.	142.8	142.8	145.	75.4
Battery "	.....	.....	1,585.	760.0
Bay View "	805.05	805.05	.....	.....
Bright "	1,174.7	1,174.7	306.45	170.2
Elmwood Ave.	1,695.18	1,695.18	1,724.03	988.6
Orchard Ter'ce	240.08	240.08	245.5	109.1
Prospect St.	62.33	62.33	.....	.....
Spring "	1,620.8	1,620.8	1,844.3	931.2
Summit "	693.7	693.7	938.35	521.3
Union "	871.07	871.07	983.64	553.9
Willard "	.....	.....	187.	103.9
Wilson "	178.15	178.15	.....	.....
	7,483.86	7,483.86	7,959.27	4,214.5

LIST OF TOOLS AND STOCK.

Eleven horses, 4 double wagons, 1 truck wagon, 1 express wagon, 5 dump carts, 1 single sleigh, 1 pair traverse sleighs, 3 pairs 2-horse sleds, 10 snow plows, 2 patent snow plows, 9 snow plow whiffletrees, 3 pairs eveners and whiffletrees, 5 neck yokes, 4 sets double harnesses, 4 cart harnesses, 1 single harness, 1 lap robe, 7 street blankets, 11 stable blankets, 11 summer blankets, 11 halters, 2 currycombs, 3 brushes, 3 pails, 2 pairs clippers, 2 pairs shears, 1 wagon jack, 1 rubber blanket, 7 sets rope tugs, 5 sets hames and tugs, 1 hay cutter, 2 hay forks, 2 manure forks, 2 tons rye straw, 1 ton of hay, 1 sleigh robe.

AT THE CITY MARKET. (Street Department.)

One steam roller, 12 street sprinkling carts, 1 street sweeper, 1 heavy horse road roller, 1 snow roller, 1 road machine, 1 wheel harrow, 2 two-wheel scrapers, 1 pole scraper, 2

plows, 1 hardpan plow, 3 street hand carts, 1 Bagnal & Land diaphragm pump, 1 grindstone, 1 emery wheel, 1 work bench and vise, 1 iron vise, 1 set chisels, 4 hand saws, 2 cross-cut saws, 1 limb cutter, 1 pair spurs, 2 dozen picks, 8 grub hoes, 3 axes, 2 trowels, 4 monkey wrenches, 3 iron wrenches, 2 hydrant wrenches, 1 marking stamp (iron), 4 scoop shovels, 4 short handle shovels, 8 long handle shovels, 1 long handle spade. 20 street hoes, 4 street brooms, 4 paving hammers, 4 stone hammers, 5 breaking hammers, 5 sledge hammers, 1 adze, 8 iron bars, 1 tamping bar, 100 ft. ¾-inch rubber hose, 1 sewer rod, 4 well ropes, 1 pr. hand trucks, 6 wheelbarrows, 1 wagon platform (for sewerpipe) 3 straight edges, 1 sprinklig pot, 8 street guards, 3 sets pulley blocks, ropes, etc., 1 set chain blocks, 1 sand screen, 1 wagon shoe, 4 small iron clamps; 1 grass scythe and snath, 2 bush scythes and snaths, 2 planes, 3 nail hammers, 1 hatchet, 1 screw driver, 1 draw shave, 1 saw set, 1 belt punch, 2 mallets, 3 axe handles, 1 keyhole saw, 2 augers, 4 sponges, 3 levels, 6 water pails, 12 snow shovels, 4 chains, 5 iron rakes, 2 short ladders, 3 extension ladders, 1 step ladder, 2 dozen lanterns, 1 pair pliers, 1 pair snips, 1 try square, 4 pitching tools, 6 chisels, 50 pounds of nails, 200 square feet flagging, 100 feet crosswalk, 2 baskets, 5,000 paving bricks.

AT THE CRUSHER. (On Dock).

1 boiler and engine, 1 Blake crusher, No. 4, 4 oilers, 9 wrenches, 2 pipe wrenches, 1 pipe cutter, 2 chains, 2 iron bars, 1 rake, 4 long handle shovels, 1 scoop shovel, 10 gallons of oil, 1 pail, 1 wheelbarrow, 70 tons crushed stone, 1 steam hoister, 1 derrick, 4 skids, 3 chains, 1 blacksmith bellows, 1 anvil, 1 vise, 150 tons rubble stone.

AT THE CRUSHER. (Willard's Ledge).

One boiler and engine, 1 Champion crusher and attachments, 1 chain, 4 shovels, 1 scoop shovel, 3 iron bars, 2 striking hammers, 1 nail hammer, 4 breaking hammers, 1 axe, 30 feet

of drills, 6 picks, 1 iron rake, 1 hatchet, 2 wrenches, 15 gallons of oil, 2 lanterns, 1 steam drill and fittings, 1 screen, 1 electric battery, 350 tons rubble stone.

OFFICE FURNITURE AND FIXTURES.

Superintendent's office—1 stove, 1 safe, 1 desk, 3 tables, 1 map of sewers, 1 city map, 7 chairs, 1 waste basket, 2 spittoons, 1 broom, 1 water tank, stationery, ink, etc.

City Engineer's office—1 stove, 2 tables, 1 drawing table, 1 desk, 4 chairs, 2 chests of drawers, 1 wall map-case with maps, 2 spittoons, 1 waste basket, 1 pair shears, stationery, ink, etc.

AT CITY DOCK. (Sewer Department).

Sewer pipe—784 feet 15-inch; 720 feet 12-inch; Y's, 1 15-inch, 64 12-inch, 18 8-inch; T's, 11 10-inch, 6 6-inch; Traps, 2 12-inch, 7 10-inch, 4 8-inch; Reducers, 2 15-inch by 12-inch; Bends, 10 8-inch; 3,000 feet sewer plank, 5 dozen iron braces.

Respectfully submitted,

HERALD STEVENS,

Supt. of Streets.

REPORT

OF THE

CITY ENGINEER.

To the Honorable, the City Council:

GENTLEMEN:—Herewith is respectfully submitted my tenth annual report as City Engineer, for the year ending December 31, 1901.

As the details of cost and construction are found in the reports of other departments, this report deals simply with the Engineering part of the work.

Lines, grades, and elevations for curbing, grading and sidewalks were given the Street Department upon the following named streets:

Archibald street, 142.8 feet of curbing and 145.0 feet of walk; Battery street, 1585 feet of walk; Bay View street, 805.05 feet of curbing; Bright street, 1174.7 feet of curbing and 306.45 feet of walk; Elmwood avenue, 1695.18 feet of curbing and 1724.03 feet of walk; Orchard Terrace, 240.08 feet of curbing and 245.5 feet of walk; Prospect street, 62.33 feet of curbing; Spring street, 1620.8 feet curbing and 1844.3 feet of walk; St. Paul street, 227.75 feet of walk (replacing old walk); Summit street, 693.7 feet of curbing and and 938.35 feet of walk; Union street, 871.07 feet of curbing and 983.64 feet of walk; Willard street, 187.0 feet of walk; Wilson street, 178.15 feet of curbing.

The total length of curbing set during the year is 7483.86 feet, and the total length of walk laid, including that which replaced old walk, is 8187.07 feet, with a total area of 4341.0 square yards.

The measurements for curbing include returns for driveways and street intersections. After completion, the work was measured and assessment maps made, showing number of feet of curbing and square yards of walk to be assessed against each property owner abutting the above improvements.

Grade was given for resurfacing the following Macadam streets:

950.0 feet on College street, and 1400.0 feet on King street.

Grade and lines were given for grading and building 1250.0 feet of Telford roadway and 4220.0 feet of Macadam roadway on Shelburne street.

Also a survey of Colchester avenue from Prospect street to the Winooski Bridge, a distance of 5395 feet, was made and plans and specifications drawn, that the work might be let by contract. This however was not done. In this connection allow me to say that I would recommend that before a stone road is built in this street, a sewer should be constructed from a point near the bridge southerly to East avenue.

For the above work, the Street Department has received from Isle LaMotte 4934.29 cubic yards of rubble lime stone, and from other parties 750.0 cubic yards of lime stone, delivered at the city crushers. The remainder of the stone required for the work has been taken from the Willard quarry, which furnishes a very hard sand stone.

The customary work for the Sewer Department consisted of giving the necessary lines, grades and elevations for the construction of sewers in the following named streets:

Bay View street, 304.45 feet; Battery street, 390.3 feet; North avenue, 3374.47 feet; North Bend street, 388.25 feet; Willard street, 339.5 feet; Wood's (proposed) street, 564.0 feet; making a total of 5360.97 feet.

After completion of the work, measurements were taken and maps and plans made, showing owner's names and the number of feet frontage of the abutting property, these maps and plans being used in making out the assessments. Maps were also made which gave not only the frontages but the connections, openings, direction of flow, etc., which are preserved for future reference.

For the Water Department, lines, grades and elevations have been given on the following named streets:

Union street and Winooski avenue.

Street lines or grades or both have been given to applicants who intend to build or otherwise improve their property. Correct numbers were given to all who applied for them.

As a result of the proposition made by Dr. W. Seward Webb last season, relating to the improvement of the road from the South line of the City of Burlington, through South Burlington and Shelburne to Shelburne Village, a citizen's meeting was called and the following committee selected: Col. L. G. B. Cannon, W. J. Van Patten, J. W. Goodell, J. J. Flynn and the City Engineer. This committee was to inquire into the possibility of seeing the work of improvement executed. They decided that a careful estimate of the cost of the proposed road, based upon actual surveys, was one of the first steps to be taken.

To this end, I have had completed a survey from which an estimate of the probable cost has been made.

The estimated cost of a 6 inch Macadam roadway 14 feet wide and 24600. feet or 4.66 miles in length, is $27,198.27. This estimate includes draining but does not include any material change of grade.

To reduce the maximum grade from 10.5% to 3.5% near the LaPlatte river in Shelburne, also to make some minor changes at Spaulding's, Drew's and Gove's, we estimate a cost of $14,720.91.

Another sub-division may be made as follows: In the town of South Burlington there are 9480 feet of the road. For this distance, the Macadam road as above described, is estimated to cost $11,544.92, including drainage. The proposed change of grade in this section would be $767.50, making a total of $12,312.42 for the proposed construction in the town of South Burlington.

In the town of Shelburne there are 15120.0 feet of the proposed improvement and the estimated cost of the Macadam roadway, as described above, would be $15,653.35, and the proposed change of grade would be $13,953.41; making a total expenditure in the town of Shelburne of $29,606.76.

The above estimates have been submitted to the committee, who now have the matter under consideration.

The following is a tabulated statement of the work completed on the streets and sewers and is based upon previous reports of the City Engineer:

	Feet 1901.	Total Miles.
Length of road opened in the city	0000	55.449
Length of paved and Macadamized streets	5,470	18.435
Length of gravelled roads		
Length of sidewalk curbed and flagged		4.764
Length of sidewalk concreted, (previously curbed)	2,616.99	
Length of sidewalk curbed and concreted	5,570.08	23.489
Length of sidewalk curbed only	1,913.78	4.538
Length of sidewalk concreted only		1.998
Length of flag sidewalks replaced with cement		0.14
	1901.	Total.
Number of concrete crossings		80
Number of brick crossings	4	4

Number of stone crossings	5	150
Number of street catch basins	7	230
Number of sewer connections	75	
Number of sewer connections, (since 1887)		1,378

LENGTH OF NEW SEWERS BUILT IN 1901.

8 inch vitrified pipe	856.65
10 inch vitrified pipe	1631.32
12 inch vitrified pipe	1566.55
15 inch vitrified pipe	1306.45
	5360.97

TOTAL LENGTH OF SEWERS.

Size.	Cement Pipe.	Brick.	Vitrified Pipe.	Stone.	Total.
6-inch.....	.....	.....	714.85ft.	.....	714.85 ft.
8-inch.....	365. ft.	.....	11,331.68ft.	.....	11,696.68 ft.
10-inch.....	.....	.....	16,800.74ft.	.....	16,800.74 ft.
12-inch.....	9,273. ft.	.....	52,791.78ft.	.....	62,064.78 ft.
15-inch.....	.....	976. ft.	10,955.25ft.	.....	11,931.25 ft.
18-inch.....	.....	1,788.2 ft.	8,407.25ft.	.....	12,908.65 ft.
20-inch.....	.....	.....	1,127.5 ft.	.....	1,127.5 ft.
24-inch.....	360. ft	1,748. ft.	1,207.5 ft.	.....	3,315.5 ft.
30-inch.....	.....	2,602. ft.	.....	.....	2,602. ft.
36-inch.....	.....	5,079.9 ft.	.....	.....	5,079.9 ft.
36x48-in...	.....	.....	.....	1,600 ft.	1,600. ft.
48-inch.....	.....	1,047.5 ft.	.....	.....	1,047.5 ft.
60-inch.....	.....	125. ft.	.....	.....	125. ft.
72-inch.....	.....	600. ft.	.....	.....	600. ft.
Totals...	12,711.2 ft.	13,966.6 ft.	103,336.55 ft.	1,600 ft.	131,614.35 ft.

Equal to 24.926 miles.

Respectfully submitted,

H. M. McINTOSH,

City Engineer.

REPORT

OF THE

OVERSEER OF THE POOR.

To the Honorable, the City Council:

GENTLEMEN:—Herewith I present for your consideration the following report, showing the receipts and expenditures of the Poor Department from January 1st, 1901, to April 25th, 1901.

RECEIPTS.

Cash from L. C. Grant, City Treas'r,	$4,013 12	
Cash from Town of Charlotte.....	44 85	
Cash from Town of Colchester.....	3 00	
Cash from Town of Waterbury	16 15	
Cash from sale of farm produce....	117 05	
Total		$4,194 17

DISBURSEMENTS.

For aid outside almshouse:	
Provisions	$1,635 44
Coal	551 07
Wood	177 96
Clothing and shoes	10 98
Medicine on order of City Physician.	434 85
Sisters of Charity, St. Joseph's.....	100 28
Home for Friendless	20 00
Fanny Allen Hospital	33 72
Mary Fletcher Hospital	9 65

C. J. Ferguson, guardian	13 95	
Sarah St. John	16 20	
Insane	81 94	
Ambulance, etc	8 50	
Tramps	3 75	
Tickets	37 00	
Thomas Reeves, Sheriff, jail account	40 50	
Burials	82 50	
Total		$3,258 29

FARM EXPENSES.

For Groceries and meat	$152 40
Crockery, etc	4 25
Dry goods, clothing and shoes	28 15
Repairs, etc	148 95
Clapp & McLaughlin, repairs	50 00
Coal	69 99
Feed, etc	55 58
Medicine	2 50
Salary, C. H. Harrington, to April 25th	126 65
Total	$638 47

MISCELLANEOUS.

Office expenses, etc	$6 00

SALARY ACCOUNT.

D. C. Barber, Overseer to Apr. 25th.	$190 00	
W. J. Labell, M. D., to Apr. 25th	63 33	
Total		$253 33

RECAPITULATION.

Receipts	$4,194 17

DISBURSEMENTS.

For aid outside almshouse	$3,258 29	
Farm expenses	638 47	
Miscellaneous	6 00	
Salaries	253 33	
		$4,156 09
Balance on hand		$38 08
Paid L. C. Grant, Treasurer		38 08

We, the undersigned, have examined the accounts and vouchers of D. C. Barber, Overseer of the Poor from January 1st, 1901, to April 25th, 1901, and find them correct.

GEO. W. BECKWITH,
JOHN C. FARRAR, } Auditors.
THOMAS FAILEY,

May 31, 1901.

INMATES AT THE ALMS-HOUSE APRIL 24, 1901.

Name.	Age.	Nativity.	Cause.	Time.		
				Yrs.	Mos.	Days.
Annie Muldoon.....	68	Ireland,	Insane,	19	4	...
Mary Wall.....	54	"	"	15	5	18
Daniel Hicks.....	36	Vermont,	"	13	10	28
Frances Metcalf.....	65	"	"	8	9	24
John Clure.....	78	"	Destitute,	5	7	24
John Hilderbrand	46	Germany,	Insane,	5	1	19
Maria J. Walton.....	68	Ireland,	Destitute,	4	10	24
Virginia Myers.....	70	Canada,	"	4	3	2
Joseph Belair.....	67	"	"	3	8	17
Mrs. E. Cuthbert.....	74	"	"	2	6	14
Patrick Hoban.....	68	Ireland.	"	.....	9	6

INMATES ADMITTED AND DISCHARGED from Jan. 1st to April 25th.

Name.	Admitted.	Discharged.	Time.
James Blake	Jan. 12	Jan. 14	2 days.
Charles Johnson	Feb. 8		75 "
Ella Brown	March 5	April 22	48 "
M. Roach	April 11	April 12	1 "
James Maloney	April 13	April 13	1 "
James McGrath	July 18, 1900	March 18	8 mos. 6 "
Henry Painter	Aug. 1, "	March 18	8 " 24 "
Dennis Hayes	Sept. 25, "	April 14	6 " 29 "

INVENTORY OF FARM, APRIL 25th, 1901.

LIVE STOCK.

Two horses, 12 cows, 1 three-year old bull, 1 one-year old bull, 1 sow, 7 shoats, 32 hens.

PRODUCE.

Three bushels potatoes, 10 bushels oats, 75 bushels corn—ear, 4 bushels beans, 1 bushel beets, 1 bushel onions.

SUPPLIES.

Twenty-five pounds butter, 225 pounds pork, 40 pounds tea, 40 pounds coffee, 30 pounds sugar, 15 pounds lard, 6 cakes soap, 1½ barrels flour.

For items of wagons, sleighs, harness and farm implements and household goods, reference may be had to inventory on file in office of overseer.

D. C. BARBER,
Overseer of Poor.

REPORT

OF THE

OVERSEER OF THE POOR.

To the Honorable, the City Council:

GENTLEMEN:—I herewith respectfully submit for your consideration my report from April 25th, 1901, to January 1st, 1902.

RECEIPTS.

Cash received from L. C. Grant, City Treasurer..	$7,014 97
Cash from other towns, St. Albans and Waterbury	38 90
Cash from sale of farm produce, milk, etc	404 68
Cash from sale of bull	25 00
Cash from Payne and Shackett	45 00
	$7,528 55

DISBURSEMENTS.

For aid outside almshouse:

Provisions	$3,297 02
Coal	494 96
Wood	310 21
Burials	262 77
Insane	92 70
Incidentals	41 73
Medicine, by City Physician	368 00
Tramps, etc	39 64
Sisters of Charity	197 68
Fanny Allen Hospital	392 50

Sarah St. John	33 28
C. J. Ferguson, guardian	32 85
Frank Dumas	18 00
Ann McGettrick	33 28
Thomas Reeves, Sheriff, jail account	87 50
Home for Friendless Women	16 50
	$5,718 62

FARM EXPENSES.

Groceries and meat	$368 18
Flour, potatoes, etc	153 56
Dry goods, clothing and shoes	77 80
Repairs, lumber and plumbing	99 02
Coal	35 48
Grain, grass seed, etc	102 80
Horse shoeing and repairs, (including exchange of wagons)	90 11
Taxes for 1901	46 80
Charles H. Harrington, salary	273 31
	$1,247 06

MISCELLANEOUS.

Office expenses	$13 68

SALARY ACCOUNT.

W. J. Labell, M. D.	$136 69
Frank P. Robinson, Overseer	412 50
	$549 19

RECAPITULATION.

Receipts	$7,528 55

DISBURSEMENTS.

For aid outside almshouse	$5,718 62	
Farm expenses	1,247 06	

Salaries	549 19	
Miscellaneous	13 68	
		$7,528 55
Total expenditures		$7,528 55

INMATES OF ALMS HOUSE, JAN. 1, 1902.

Amos Collins	Vermont	Admitted Nov. 26	Destitute and Sick
Edgar Payne	"	Oct. 26	Insane, sent to Waterbury
Timothy Ploof	Canada	Nov. 20	Destitute
Charlie Johnson	Sweden	Feb. 8, 1900	"
Frank Labounty	Canada	July 27	Destitute and blind
Dennis Hayes	Ireland	Nov. 4	Destitute
Mary Wall	"	Time 16 years	Insane
Daniel Hicks	Vermont	14 "	"
Francis Metcalf	"	9 "	"
John Hilderbrand	Germany	5 "	"
Maria Walton	Ireland	5 "	Destitute
Joseph Belair	Canada	4 "	"
James McGrath	Ireland	Admitted Jan. 1, '02	"
John Clure	Vermont	Age 79	Died May 31, 1901
Virginia Myers	Canada	71	Died June 14, 1901
Annie Muldoon	Ireland	Time 20 years	Insane
Mrs. E. Culthburt	Canada	3 "	Destitute

INMATES DISCHARGED DURING THE YEAR.

	Admitted	Discharged	Time
James McGrath	July 13, 1900	Mar. 18, 1901	8 months, 5 days
Harry Painter	July 31, 1900	Mar. 18, 1901	7 " 18 "
Dennis Hayes	Dec. 11, 1900	Apr. 15, 1901	4 " 4 "
James Blake	Jan. 12, 1901	Jan. 14, 1901	2 "
James Calder	Jan. 19, 1901	Jan. 20, 1901	1 "
Ella Brown	Mar. 5, 1901	Apr. 22, 1901	1 " 17 "
Mike Roach	Apr. 11, 1901	Apr. 12, 1901	1 "
James Maloney	Apr. 13, 1901	Apr. 14, 1901	1 "
William Thompson	May 22, 1901	May, 23, 1901	1 "
Edgar Payne	May 24, 1901	Aug. 11, 1901	2 " 18 "
Richard Foley	Oct. 23, 1901	Oct. 24, 1901	1 "
Carrie Rockwood	Dec. 19, 1901	Dec. 23, 1901	4 "
Patrick Hoban	July 19, 1900	Sent to Waterbury Jun. 20, 1901	

INVENTORY OF FARM, DECEMBER 31st, 1901.

Two horses, 12 cows, 1 two-year old bull, 1 hog, 6 shoats, 35 hens, 110 bushels potatoes, 30 bushels turnips, 23 bushels beets, 1 bushel onions, 300 heads cabbage, 90 pounds butter, 2 barrels apples, 5 bushels carrots, 500 pounds pork, 200 pounds hams, 30 pounds sausage, 75 pounds pork ribs, 95 bushels oats, 250 bushels corn, 9 bushels beans, 25 tons hay, 2½ tons straw, 8 tons corn fodder.

SUPPLIES.

Ten pounds tea, 15 pounds coffee, 275 pounds sugar, 1 barrel flour, 13 tons coal.

For items of wagons, sleighs, harness and farm implements, household furniture, etc., reference may be had to inventory on file in overseer's office.

Respectfully submitted,

FRANK P. ROBINSON,

Overseer of the Poor.

We, the undersigned, have examined the books and vouchers of Frank P. Robinson, Overseer of the Poor, and find them correct.

GEO. W. BECKWITH,
JOHN C. FARRAR,
THOMAS FAILEY, } Auditors.

REPORT

OF THE

CHIEF OF POLICE.

To the Honorable, the City Council:

GENTLEMEN:—As required by law I herewith submit my report of the Police Department for the year ending December 31st, 1901.

Since my last report the expense of the department has been further increased by the addition of a patrolman through Lake street from the foot of Bank street to the freight house of the Rutland and Burlington railroad. With this additional patrol our manufacturing and lumber interests are amply protected.

Further expense has been incurred by the addition of a second day man at the office since May 1st, 1901.

Half night and Sunday afternoon service was continued during the summer months at Lakeside and at Battery Park.

It is very gratifying to me to be able to report that during the past year no serious crimes have been committed and that petty offenders have in the main been apprehended and punished. Over eleven hundred complaints have been made to the office and investigated during the year by the department. In but few of these cases have arrests been made as the result of these investigations. Arrests and prosecutions for breaches of peace have been less frequent than in the preceding year.

The records of the department show that during the year 1901 the whole number of arrests was 285, which are classified as follows;

ARRESTS MADE DURING 1901.

	Arson	Adultery	Breach of the Peace	Burglary	Bigamy	Cruelty to Animals	Carrying Concealed Weapons	Furnishing Intoxicating Liquor	Grand Larceny	Intoxication	Keeping house of ill-fame	Keeping Intoxicating Liquor	Keeping gambling house	Violating city ordinances	Perjury	Petit Larceny.	Procuring liquor under false pretenses.	Prostitution	Rearrest for Disclosure	Search for Intoxicating Liquor	Search Warrant—Stolen Property	Obtaining goods by false token	Open and gross lewdness	Non support of family	Loitering in electric car	Truancy	Vagrancy	Misrepresentation in procuring marriage license	Total arrests
January	...	...	2	...	...	...	...	1	...	7	1	...	...	2	...	...	...	...	1	...	...	...	1	1	...	...	1	...	17
February	...	...	3	...	2	1	...	...	1	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
March	1	...	2	...	...	...	...	...	...	4	1	...	...	...	...	2	...	...	...	...	...	...	...	...	...	3	2	...	15
April	...	...	2	...	...	...	1	2	...	7	1	2	...	...	...	2	...	3	2	...	...	...	...	...	...	1	1	...	24
May	...	...	3	2	...	...	...	3	...	5	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	4	1	...	20
June	...	...	3	...	...	...	...	2	...	11	...	...	...	...	...	2	...	1	...	...	...	...	1	...	...	7	4	...	31
July	...	...	5	...	...	...	...	6	...	14	...	...	...	...	1	1	1	...	2	...	...	1	...	...	...	...	4	...	35
August	...	...	11	...	1	...	...	...	1	5	...	...	...	...	...	3	...	...	...	1	...	...	...	...	...	...	...	...	22
September	...	...	2	1	...	1	...	2	3	9	...	...	...	...	...	4	...	3	...	...	1	...	1	...	3	...	...	...	30
October	...	2	3	...	...	...	...	1	...	6	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	15
November	...	...	8	...	...	...	...	4	...	7	...	...	3	...	2	1	1	...	...	...	...	...	...	1	...	...	...	...	27
December	...	...	2	...	...	...	...	5	...	9	...	4	...	...	...	...	...	6	...	6	...	...	...	...	...	...	3	1	36
	1	2	46	3	3	2	1	26	5	90	3	6	3	3	4	18	2	13	5	7	1	1	3	2	3	15	16	1	285

The foregoing classification does not include arrests made by the sheriff and his deputies, or by the City Constable.

ASSIGNMENT OF OFFICERS.

The number of officers on the pay roll at the end of the year is thirteen, assigned as follows:

Chief	1
P. J. Russell and John H. Ryan, day men at the office	2
Thomas H. Kelley, John J. Brothers, E. P. McElligott, P. J. Cosgrove, Church, College, Bank and Cherry streets from So. Winooski avenue to St. Paul street,	4
Milo C. Graton, So. Battery and So. Champlain streets	1
William Garrow, district lying north of North street and between Elmwood and North avenues	1
Wm. F. Wills, district lying north of North street and between Willard street and Elmwood avenue	1
Peter Lynch, Lake street from foot of Bank street to north end of Crane's lumber yard	1
John Donohoe, Lake street from foot of Bank street to R. & B. railroad freight house, and return through So. Battery to College street	1
E. R. Coon, from foot of So. Champlain street, through Pine street to Burlington Gas Works	1
Total	13

Amount appropriated to the Police and Criminal Department	$9,000 00
Pay roll of the department	8,865 46
Less $124, services of Officer Ryan as dog killer.	

The department has turned into the city treasury officers' fees for service of warrants, the sum of $1,238.80. Other expenses of the department will be found in the report of the City Treasurer.

From the above appropriation the sum of $1,364.80 was paid to the City Court and Justices of the Peace as costs in city cases. Said costs when collected and paid to the City Treasurer are not placed to the credit of this department but are transferred to the general fund.

The board of city prisoners at the County jail and other criminal expenses, are charged to the appropriation of the police.

ROSTER OF REGULAR POLICE OFFICERS.

John J. Brothers.....Commission expires April 25th, 1902.
Patrick J. Cosgrove..Commission expires April 25th, 1903.
William W. Garrow..Commission expires April 25th, 1903.
Milo C. Graton.....Commission expires April 25th, 1904.
Thomas H. Kelley...Commission expires April 25th, 1904.
Edward P. McElligott Commission expires April 25th, 1903.
Patrick J. Russell....Commission expires April 25th, 1902.
John H. Ryan.....Commission expires April 25th, 1902.

All of the above named are all-night men except officers Russell and Ryan who perform day duty at the office and at the depot and steamboat landing on the arrival of trains and steamboats, and on Church street on Sundays. The custom of keeping the Police Headquarters open day and night is still maintained, so that a call on the department in person or by telephone may receive prompt attention.

The improvements at Police Headquarters, made during the year, are a great convenience and are greatly appreciated by the public and the department.

Although His Honor, the Mayor, is the head of the department, suggestions from any member of the Board tending to improve its efficiency, will be gladly received.

Respectfully submitted,

E. F. BROWNELL,

Chief of Police.

REPORT

OF THE

CITY ATTORNEY.

To the Honorable City Council:

But one suit is pending against the city, that of R. S. Taft to avoid payment of a sidewalk assessment. This suit is of long standing, but will be argued before the Supreme Court at the coming May term.

One of the cases involving the obstruction of streets at the Lake front will probably be tried at the coming term.

Respectfully submitted,

W. L. BURNAP,

City Attorney.

Burlington, Vt., Feb. 1, 1902.

REPORT

OF THE

CLERK OF THE CITY COURT.

FROM JANUARY 1st, 1901, TO JANUARY 1st, 1902.

To the Honorable, the City Council:

GENTLEMEN:—The total number of prosecutions in which the fines and costs are payable into the city treasury heard and determined in the City Court during the year ending December 31st, 1901, was one hundred and eighty-seven, against two hundred and nine respondents, and the offenses are classified as follows:

Breach of the peace	76
Carrying concealed weapons with intent to injure	1
Cruelty to animals	6
Failure to report contagious disease	1
Fast driving	1
Gambling	2
Grave robbing	1
Keeping gambling resort	1
Larceny	24
Larceny and receiving stolen property	2
Lurking, loitering and prowling about electric cars	3
Making misrepresentations in procuring marriage license	1
Obstructing sidewalk	1
Obtaining goods by false token	1

Open and gross lewdness	4
Practicing medicine and surgery without a license	1
Prostitution	37
Receiving stolen property	3
Refusal to support wife	1
Riding bicycle on sidewalk	1
Selling adulterated milk	1
Trespass upon orchard	2
Truancy	14
Using carter's stand not designated by Chief of Police	1
Violation of ordinance relating to garbage	1
	187

One hundred sixty-four respondents were convicted, thirteen were acquitted, twenty-seven were discharged on *nolle prosequi,* one who was in charge of the Probation Officer was remanded to his custody without trial, and four cases were discontinued for want of prosecution.

Forty-four respondents were committed to the House of Correction and sixteen to the Vermont Industrial School on either alternative or straight sentences; six were put under bonds to keep the peace; seven were placed in charge of the Probation Officer, and one was placed in charge of his mother on condition that he attend school regularly. In two cases sentence was suspended during good behavior.

Seven cases have been appealed to the March (1902) Term of County Court, and if the appeals are entered they will become State cases, otherwise steps will be taken immediately upon the rising of the court to collect the fines and costs.

Total fees to be disbursed in cases reported	$1,352 60
Total fines and costs collected and paid into the city treasury	1,193 13

There are uncollected fines and costs in seven cases, not reported, in process of collection, amounting to the sum of $110.04. This last named sum will soon be collected or the respondents will be committed.

Any further information your Honorable Body may desire will be cheerfully furnished upon application at this office.

Respectfully submitted,

JOSEPH T. STEARNS,

Clerk of the City Court.

Burlington, Vt., January 24th, 1902.

REPORT

OF THE

Cemetery Commissioners.

To the Honorable, the City Council, City of Burlington:

GENTLEMEN:—The Board of Cemetery Commissioners respectfully submit the report of their receipts and disbursements for the year 1901, viz:

We are gratified to be able to report that the receipts have been sufficient not only to take care of all the bills of the present year, but also of a considerable amount that was carried over in the shape of unsettled bills for the year previous. The only liabilities which the cemeteries have are for coal which has recently been delivered, and which will be paid for the coming spring.

The cemeteries have received the faithful supervision of our Superintendent, Mr. Michael Collins, and their fine appearance during the whole season has been a sufficient testimony to his carefulness and his capacity.

We believe our people have been more than ever pleased with the fine appearance of all three of the cemetery grounds. Of course Lake View Cemetery excels so much in size and location that it demands much the larger part of the work to be done upon it.

The completion of the work which the Rutland-Canadian Railway were to do upon the lake bank at Lake View, and the erection of the fence between their track and the cemetery grounds, has at last put that part of the cemetery in excellent condition, and has, in most respects at least, been a great improvement to the grounds.

We are pleased to say that the railroad authorities have lived up to the spirit of their agreement with the Cemetery Commissioners in regard to grading and finishing the bank. We believe we will have no further trouble from wash of water from excessive rains.

The Cemetery Commissioners have been gratified with the increase to the trust funds which have been made the past year. They have printed and distributed to the owners of lots a circular bearing upon the desirability of funds being left for the perpetual care of lots, and we are confident that calling the attention of lot owners to the matter in this way, will induce many more additions to these funds.

We beg to express our appreciation of the kindly co-operation of your Honorable Board, and all the city officials with whom we come in contact in the work entrusted to our care.

Respectfully submitted,

W. J. VAN PATTEN,
C. A. HIBBARD,
HOWARD CRANE, } Board of Cemetery Commissioners.

Burlington, Vt., January 21, 1902.

We, the undersigned, have examined the accounts and books of the Cemetery Commissioners for the year 1901, and find them correct.

GEO. W. BECKWITH,
JOHN C. FARRAR,
THOMAS FAILEY, } Auditors.

ELMWOOD CEMETERY.

RECEIPTS.

Balance on hand Jan. 1, 1901	$142 56
Sale of lots	93 96
Care of lots	131 50

Fitting of lots	25 50	
Opening and filling graves	110 00	
Miscellaneous	12 00	
Income from trust funds	936 16	
		$1,451 68

DISBURSEMENTS.

Labor, per time book	$567 03	
Lake View, on Collins' salary and use of horse	250 00	
Lake View for bulbs	40 00	
Flowers	100 00	
Tools, materials, supplies and repairs	12 83	
Water tax	6 46	
Soil and fertilizers, $3.75	8 75	
R. S. Barstow, clerical work	25 00	
Temporary loan to Lake View	400 00	
Balance on hand January 1, 1902	41 61	
		$1,451 68

Number of interments during year 1901	14
Number of lots sold during year 1901	2

GREEN MOUNT CEMETERY.

RECEIPTS.

Balance on hand Jan. 1, 1901	$ 35 81	
Sale of lots	428 68	
Care of lots	375 01	
Fitting of lots	86 67	
Opening and filling graves	126 00	
Flowers and beds	35 50	
Rent of house	137 50	
Miscellaneous	25 50	
Income from trust funds	50 81	
		$1,301 48

DISBURSEMENTS.

Labor, per time book	$622 76	
Lake View, on Collins' salary and horse	250 00	
Lake View for bulbs	40 00	
Flowers	125 00	
Soil $5.00, and fertilizer $20.00	25 00	
Tools, materials and supplies	35 17	
Water tax	42 61	
R. S. Barstow, clerical work	25 00	
Balance on hand Jan. 1, 1902	135 94	
		$1,301 48

Number of interments during year 1901 27
Number of lots sold during year 1901 11

LAKE VIEW CEMETERY.

RECEIPTS.

Balance on hand Jan. 1, 1901	$100 17	
Sale of lots	944 54	
Care of lots	948 80	
Fitting of lots	497 82	
Opening and filling graves	480 50	
Flowers and beds	486 00	
Miscellaneous	81 00	
From Green Mt. Cemetery	435 00	
From Elmwood Cemetery	795 00	
Income from trust funds	500 95	
		$5,269 78

DISBURSEMENTS.

Services of Michael Collins	$ 821 25
Labor, per time book	3,144 88
Water rate to city	104 03
Soil and fertilizers	220 70
Hay, provender and blacksmithing	132 38

Stationery and postage	17 45	
Seeds, bulbs, tools and supplies	393 77	
Coal	61 25	
Filling ice house	13 10	
R. S. Barstow, clerical work	50 00	
Telephone	18 75	
Insurance	54 38	
J. W. Goodell, stones	103 00	
Horse, wagon and harness	125 00	
Balance	9 84	
		$5,269 78

SALE OF LOTS.

Number of lots sold to December 31, 1900	898
Number of lots sold during 1901	21
Total number of lots sold to Dec. 31, 1901	919

INTERMENTS.

Total number of interments to Dec. 31, 1900	2287
Number of original interments during 1901	99
Total number of interments to Dec. 31, 1901	2386

REPORT

OF THE

LIQUOR AGENT.

To the Honorable City Council:

I have the honor to present you herewith my report from January 8th, 1901, to December 31st, inclusive.

Cash from sales to citizens	$12,598 93
Cash from sales to non-residents	813 53
Cash from sales of barrels and kegs	77 75
	$13,490 21
Cash paid City Treasurer	$13,490 21

Chemical analysis at the Laboratory of Hygiene shows that the goods kept for sale are pure and of the best quality.

Respectfully submitted,

ALBERT KILLAM, Agent.

STATEMENT OF PURCHASES, SALES, ETC., January 1, 1901, to January 1, 1902.

	ALCOHOL.		WHISKEY.		GIN.		RUM.		BRANDY.		WINE.		ALE & PORTER		Total Value.
Date.	Gallons.	Cost.	Gallons.	Cost.	Gallons.	Cost.	Gallons.	Cost.	Gallons.	Cost.	Gallons.	Cost.	Gallons.	Cost.	
On hand Nov. 14, 1899,	8⅝	$ 21.13	238⅝	$ 595.44	42	$ 123.90	89	$ 204.30	48⅜	$ 158.33	78	$ 148.52	81⅝	$ 67.26	$ 1,318.88
Purchased in '01	1134 45/100	2823.46	1475 25/100	3 997.30	171	492.48	231 95/100	423.09	255 46/100	702.68	71	150.77	348	295.06	8,884.84
	1143	$ 2,844.59	1714	$ 4,592.74	213	$ 616.38	321	$ 627.39	303¾	$ 861.01	149	$ 299.29	429⅝	$ 362.32	$ 10,203.72
Sold in 1901,	1122	3,999.44	1450	6,025.24	194	860.68	227	741.39	258	1,069.44	113	327.75	333	388.52	13,412.46
On hand Jan. 1, 1902,	17⅜	43.60	226	608.35	13	38.07	75	171.03	38	113.97	28	82.06	65	59.80	1,116.88
Totals.	1139⅜	$ 4,043.04	1676	$ 6,633.59	207	$ 898.75	302	$ 912.42	296	$ 1,183.41	141	$ 409.81	398	$ 448.32	$ 14,529.34
Leakage, breakage, evap'n, etc.	3⅜		38		6		19		7		8		31		
Sales over cost,		$ 1,198.45		$2.040.85		$ 282.37		$ 285.03		$ 322.40		$ 110.52		$ 86.00	$ 4,325.62

We, the undersigned, have examined the sales books of Albert Killam, Agent for the City of Burlington, and find his account correct.

GEO. W. BECKWITH,
JOHN C. FARRAR,
THOMAS FAILEY,
} Auditors.

REPORT

OF THE

Trustee of United States Deposit Money.

For the year ending December 31, 1901.

Amount of U. S. Deposit money..... $36,293 04
The above is loaned to the City of Burlington.

INCOME FROM ABOVE LOAN.

From City Treasurer, interest $2,177 58

DISBURSEMENTS.

Paid H. O. Wheeler, Superintendent of Schools.. $2,177 58

Respectfully submitted,

L. C. GRANT,
Trustee U. S. Deposit Money.

We have examined the above account of the Treasurer with the United States Deposit Fund and find it correct.

GEO. W. BECKWITH,
JOHN C. FARRAR,
THOMAS FAILEY, } Auditors.

REPORT

OF THE

CITY TREASURER,

ON ACCOUNT OF

The Lake View, Elmwood and Green Mount Cemeteries.

For the year ending December 31, 1901.

To the City Council of the City of Burlington:

GENTLEMEN:—I herewith hand you a statement of the receipts and disbursements on account of Lake View, Elmwood and Green Mount Cemeteries for the year ending December 31, 1901, together with a list of the Trust Funds:

LAKE VIEW CEMETERY.

RECEIPTS.

Balance on hand January 1, 1901 . . .	$ 100 17	
From Cemetery Commissioners	4,668 66	
Interest on Trust Funds	500 95	
		$5,269 78

DISBURSEMENTS.

Orders of Cemetery Commissioners.	$5,259 94	
Unexpended balance	9 84	
		$5,269 78

ELMWOOD CEMETERY.

RECEIPTS.

Balance on hand January 1, 1901 . . .	$142 56	
From Cemetery Commissioners	372 96	
Interest on Trust Funds	936 16	
. .		$1,451 68

DISBURSEMENTS.

Orders of Cemetery Commissioners.	$1,410 07	
Unexpended balance	41 61	
		$1,451 68

GREEN MOUNT CEMETERY.

RECEIPTS.

Balance on hand January 1, 1901 . .	$ 35 81	
From Cemetery Commissioners	1,214 86	
Interest on Trust Funds	50 81	
		$1,301 48

DISBURSEMENTS.

Orders of Cemetery Commissioners. .	$1,165 54	
Unexpended balance	135 94	
		$1,301 48

There are held by the Treasurer securities and investments made by the Cemetery Commissioners from Trust Funds as follows:

LAKE VIEW CEMETERY.

Carlos Baxter Fund	$1,250 00
Eli Chittenden Fund	50 00
E. W. Chase Fund	125 00
Harvey Burnett Fund	100 00
L. B. Englesby Fund	200 00
Hatch and Bennett Fund	100 00
George Barrows Fund	50 00
George J. Stannard Fund	100 00

Harriet A. Weaver Fund	100 00	
F. M. Van Sicklen Fund	200 00	
Jo D. Hatch Fund	250 00	
John P. Howard Fund	3,000 00	
Louisa H. Howard Fund	500 00	
Hilas Roby Fund	500 00	
Julius M. Noyes Fund	1,000 00	
Marion Flagg Fund	200 00	
Lucinda F. Barnes Fund	500 00	
Charles R. Hayward Fund	500 00	
Amos B. Jones Fund	50 00	
Mrs. R. W. Smith Fund	100 00	
Abbie L. Curtis Fund	150 00	
Harriot M. Alger Fund	100 00	
Emma Griffin Fund	100 00	
Ellen M. Heineberg Fund	200 00	
William J. Van Patten Fund	1,000 00	
Sarah E. Carruth Fund	18 23	
Noah Allen Fund	250 00	
Lucia B. Peck Fund	100 00	
William F. Armstead Fund	50 00	
Hervey Spencer Fund	200 00	
James W. Hickok Fund	100 00	
George Morton Fund	300 00	
Julia A. Parker Fund	150 00	
S. Wakefield Fund	100 00	
E. Martin Fund	100 00	
Caroline Van Namee Fund	100 00	
Kate C. McLaren Fund	25 00	
E. A. Wilkins Fund	50 00	
Mattie Kelley Fund	100 00	
Homer M. Phelps Fund	100 00	
M. F. Wilkins Fund	50 00	
Ellen G. Booth Fund	35 00	
		$12,253 23

ELMWOOD CEMETERY.

John N. Pomeroy Fund	$14,965 00	
Celestia A. Seaver Fund	25 00	
Ann E. Munson Fund	25 00	
W. L. and A. G. Strong Fund	100 00	
Katherine F. Kendall Fund	25 00	
Jane E. Bailey Fund	25 00	
Mary P. Hollenbeck Fund	50 00	
Francis C. Mills Fund	50 00	
Henry Whitney Fund	100 00	
Samuel Hickok Fund	100 00	
		$15,465 00
From accumulation of Trust Funds not required for present use		$ 1,500 00

GREEN MOUNT CEMETERY.

Ethan Allen et al Fund	$620 24	
W. C. Whitman Fund	200 00	
W. T. Herrick Fund	100 00	
L. A. Dennison Fund	100 00	
J. R. Forrest Fund	50 00	
L. H. Elliott Fund	100 00	
J. A. Fredericks Fund	50 00	
L. B. Platt Fund	50 00	
Samuel R. Rathbun Fund	150 00	
		$1,420 24

REPORT

OF THE

CITY TREASURER.

For the year ending December 31st, 1901.

To the City Council of the City of Burlington:

GENTLEMEN:—I herewith present to you my report as City Treasurer from January 1st, to December 31st, 1901, inclusive:

RECEIPTS.

Cash on hand January 1, 1901....	$ 5,512 51	
Received from all sources	498,456 45	
		$503,968 96

DISBURSEMENTS.

Paid out on all accounts.....	$497,706 26	
Cash on hand Dec. 31, 1901.....	6,262 70	
		$503,968 96

For the details of the above transactions I would respectfully refer you to the statements of the several departments hereto attached.

CRIMINAL AND POLICE DEPARTMENT.

RECEIPTS.

Appropriation	$9,000 00	
Police fees	1,238 80	
Overdraft to balance	1,811 36	
		$12,050 16

DISBURSEMENTS.

Pay rolls	$8,865 46	
Officers expenses	446 92	
Uniforms	236 75	
Boarding prisoners at jail	163 76	
Supplies and printing	150 66	
Lights	154 79	
Telephone	127 19	
Watchmen's clocks	141 74	
Livery	9 00	
J. J. Brothers, back pay	389 09	
Costs, etc., City Court	1,352 60	
Costs, etc., Justice Court	12 20	
		$12,050 16

CRIMINAL COSTS AND FINES.

RECEIPTS.

E. W. J. Hawkins, judge city court	$1,536 22	
G. W. Deberville, justice court	11 10	
		$1,547 32

DISBURSEMENTS.

Transferred to general fund	$1,547 32

FIRE DEPARTMENT.

RECEIPTS.

Appropriation	$14,000 00	
Old copper	2 00	
Three horses	225 00	
Overdraft to balance	1,072 68	
		$15,299 68

DISBURSEMENTS.

Salaries, regular force	$8,459 93
Salaries, call force	2,024 78

Feed for horses	1,121 95	
Shoeing horses	162 95	
Laundry	103 83	
Use of bell St. Joseph's Church	120 00	
Coal	455 98	
Lights	154 10	
Water	66 93	
Horses for H. and L. Co	141 00	
Telephone	42 50	
Fire Wardens	100 00	
Rubber boots and coats	120 80	
Veterinary services	35 65	
Four horses	800 00	
Printing	24 20	
Ice	100 71	
Oil	28 43	
One hose sleigh	160 00	
One fire alarm box	167 00	
Supplies and incidentals	908 94	
		$15,299 68

FLETCHER FREE LIBRARY.

RECEIPTS.

Appropriation		$2,500 00

DISBURSEMENTS.

Insurance on books	$ 16 50	
Orders of Finance Committee	2,460 02	
Unexpended balance	23 48	
		$2,500 00

HEALTH DEPARTMENT.

RECEIPTS.

Appropriation	$1,200 00	
Overdraft to balance	6,748 97	
		$7,948 97

DISBURSEMENTS.

Registration fees	$ 185 75	
H. R. Watkins, M. D., salary and fees,	542 90	
W. A. Lyman, M. D., salary and fees,	39 52	
Insurance on ambulance	11 64	
Printing	36 50	
Medicines	40 15	
Watchmen, account of quarantine	2,104 65	
Vaccinations	721 50	
Medical services	832 00	
Coal and wood	136 42	
Supplies, account of quarantine	2,854 82	
Carriage for emergency hospital	50 00	
Labor at dump	393 12	
		$7,948 97

INCIDENTAL DEPARTMENT.

RECEIPTS.

Appropriation		$6,000 00

DISBURSEMENTS.

Lights	$ 72 47	
Telephones	73 08	
Supplies and postage	276 37	
Auditors	130 00	
Printing and advertising	982 56	
Election expenses	277 50	
Assessors and assistants	1,155 50	
Building inspectors	350 00	
City Attorney	250 00	
Stannard Post, G. A. R.	100 00	
College Park	150 00	
C. Noyes, legal services	350 00	
Badges for hackmen	31 50	
Sundries	278 11	
Unexpended balance	1,522 91	
		$6,000 00

INTEREST.

RECEIPTS.

Appropriation	$18,300 00	
Water Department	9,920 00	
Assessment bonds for streets	312 12	
Overdraft to balance	946 53	
		$29,478 65

DISBURSEMENTS.

Temporary loans	$2,458 34	
Bonds	24,833 73	
Rathbun fund	9 00	
U. S. Deposit Money	2,177 58	
		$29,478 65

LOUISA H. HOWARD FUND.

RECEIPTS.

Amount of fund	$500 00

DISBURSEMENTS.

Deposited in Burlington Savings Bank	$500 00

LICENSE DEPARTMENT. "DOGS."

RECEIPTS.

From Charles E. Allen, City Clerk	$705 50

DISBURSEMENTS.

Damages by dogs	$ 20 15	
Killing dogs	4 00	
Fletcher Free Library	681 35	
		$705 50

LICENSE DEPARTMENT.

RECEIPTS.

From Charles E. Allen, City Clerk	$655 00

DISBURSEMENTS.

Transferred to General Fund	$655 00

LIQUOR AGENCY.

RECEIPTS.

Inventory, January 1, 1902	$ 1,116 88	
Cash from A. Killam, Agent, for sales,	13,490 21	
		$14,607 09
From collection of rents		$46 15

DISBURSEMENTS.

Inventory January 1, 1901	$1,307 08	
Salaries	923 38	
A. Killam, Agent, freight and cartage,	513 45	
Lights	12 35	
Coal	16 75	
Insurance	14 40	
Safe	45 00	
U. S. Revenue Tax	39 58	
Repairs	280 92	
Printing and supplies	177 27	
Rent	800 00	
Cash paid for liquors	9,667 85	
Transferred to General Fund	809 06	
		$14,607 09

MINISTERIAL FUND—RENTS.

RECEIPTS.

From collecion of rents		$46 15

DISBURSEMENTS.

First Calvanistic Cong. Society	$23 07	
First Congregational Society	23 08	
		$46 15

PAUPER DEPARTMENT.

RECEIPTS.

Appropriation	$9,000 00	
From D. C. Barber, Overseer	38 08	
From F. P. Robinson, Overseer	393 12	
Overdraft to balance	1,596 89	
		$11,028 09

DISBURSEMENTS.

D. C. Barber, Overseer	$4,013 12	
F. P. Robinson, Overseer	7,014 97	
		$11,028 09

PUBLIC BUILDINGS AND PARKS.

RECEIPTS.

Appropriation	$4,000 00	
Sale of old windows	5 06	
Overdraft to balance	1,728 47	
		$5,733 53

DISBURSEMENTS.

Janitor of City Hall	$ 420 00	
Care of closets	78 00	
Care of City and Battery Parks	576 75	
Coal	134 50	
Water	686 47	
Lights	317 55	
Flower beds	62 00	
Furniture	101 39	
Heating	30 00	
Insurance	9 48	
Sprinkling tax	144 92	
Repairs	3,172 47	
		$5,733 53

PUBLIC BUILDINGS—RENTS.

RECEIPTS.

City Hall	$758 00	
Dennis & Jordan, City Market	40 00	
Burlington Traction Co., office	225 00	
Burlington Rink Association	100 00	
Water Department	400 00	
Liquor Agency	800 00	
		$2,323 00

DISBURSEMENTS.

Transferred to General Fund		$2,323 00

SALARY ACCOUNT.

RECEIPTS.

Appropriation		$5,700 00

DISBURSEMENTS.

Robert Roberts, Mayor	$ 125 00	
Donly C. Hawley, Mayor	375 00	
C. E. Allen, City Clerk, salary and assistant	1,700 00	
L. C. Grant, City Treasurer, salary and assistant	1,500 00	
H. M. Price, Alderman salary	50 00	
George G. Munson, Alderman salary,	50 00	
O. R. Mason, Alderman salary	200 00	
F. O. Sinclair, Alderman salary	200 00	
J. J. Shea, Alderman salary	200 00	
J. W. Courtney, Alderman salary	200 00	
C. E. Beach, Alderman salary	200 00	
G. Q. Stiles, Alderman salary	200 00	
C. W. Brownell, Alderman salary	200 00	
C. E. Germain, Alderman salary	150 00	
G. E. Trick, Alderman salary	150 00	
L. P. Wood, Alderman salary	150 00	
Unexpended balance	50 00	
		$5,700 00

SCHOOL DEPARTMENT.

RECEIPTS.

Appropriation	$56,000 00	
Interest on U. S. Deposit Money	2,177 58	
Interest on Huntington Fund	687 14	
Interest on other funds	49 42	

Rents of leased lands	122 75	
State Treasurer	2,326 42	
H. O. Wheeler, Supt., tuitions, etc.	2,581 18	
Rebate on insurance	100 00	
		$64,044 49

DISBURSEMENTS.

Warrants drawn by Fin. Committee,	$63,971 64	
Unexpended balance	72 85	
		$64,044 49

ADAMS SCHOOL BUILDING.

DISBURSEMENTS.

Warrants drawn to date	$11,203 44

HIGH SCHOOL LOT AND BUILDING.

DISBURSEMENTS.

Warrants drawn to date	$123,707 82

SCHOOL FUND—RENTS.

RECEIPTS.

Collections of rents		$146 02

DISBURSEMENTS.

H. H. Wheeler, Treasurer South Burlington	$ 23 27	
Transferred to School Department	122 75	
		$146 02

STREET LIGHT DEPARTMENT.

RECEIPTS.

Appropriation	$13,770 00	
Overdraft to balance	116 59	
		$13,886 59

DISBURSEMENTS.

Consolidated Electric Co.	$13,876 59	
H. C. Smith	10 00	
		$13,886 59

STREET DEPARTMENT.

RECEIPTS.

Balance January 1, 1901	$ 20 75	
Appropriation	26,000 00	
Street and sprinkling assessments	10,897 26	
From H. Stevens, Superintendent	4,964 30	
From State of Vermont	327 68	
		$42,209 99

DISBURSEMENTS.

H. Stevens, Superintendent	$41,510 89	
Unexpended balance	699 10	
		$42,209 99

STREET IMPROVEMENT—PERMANENT.

DISBURSEMENTS.

Paid H. Stevens, Superintendent	$12,519 71

SEWER DEPARTMENT.

RECEIPTS.

Appropriation	$2,000 00	
Assessments	5,459 60	
		$7,459 60

DISBURSEMENTS.

H. Stevens, Superintendent	$5,019 63	
Unexpended balance	2,439 97	
		$7,459 60

WATER DEPARTMENT.

RECEIPTS.

Appropriation	$49,093 46	
F. H. Crandall, Superintendent	7,775 71	
		$56,869 17

DISBURSEMENTS.

F. H. Crandall, Superintendent	$56,869 17

WATER COLLECTIONS.

RECEIPTS.

F. H. Crandall, Superintendent		$47,831 53

DISBURSEMENTS.

Transferred to General Fund		$47,831 53

SINKING FUND.

RECEIPTS.

Balance January 1, 1901	$64,076 40	
Appropriation and Water Department,	9,018 90	
Interest	1,190 00	
		$74,285 30

TAX BILL, 1901.

Amount from City Clerk	$196,927 69	
5% added to delinquents	453 45	
1405 names in warrant	140 50	
		$197,521 64
Collections	$189,733 03	
Abatements to Constable	789 80	
Abatements to Treasurer	299 81	
Ballance uncollected in hands of constable	6,699 00	
		$197,521 64

BONDED DEBT.

Water bonds, due 1906	$160,000 00
Railroad Bonds, due 1911	100,000 00
Improvements Bonds, due 1913	10,000 00
School Bonds, due 1913	30,000 00
Water Bonds, due 1914	30,000 00
Improvement Bonds, due 1903	10,000 00
School Bonds, due 1914	20,000 00
Street Improvement Bonds, due 1915	20,000 00
School Bonds; due 1915	25,000 00

Street Improvement bonds, due 1917	20,000 00	
Street Improvement Bonds, due 1918	20,000 00	
Water Bonds, due 1919	65,000 00	
School Bonds, due 1923	85,000 00	
School Bonds, due 1924..	25,000 00	
School Bonds, due 1923	20,000 00	
Street Improvements, due 1923...	13,000 00	
	$658,000 00	
Less Sinking Fund	74,285 30	
		$583,714 70

TREASURER'S BALANCE SHEET, DECEMBER 31, 1901.

ACCOUNTS.	DEBIT.	CREDIT.	DR. BALANCE.	CR. BALANCE.
Rathbun Fund		$ 150.00		150.00
Sinking Fund Investment	$54,000.00		54,000.00	
Bills Payable "Loans"		76,293 04		76.293.04
B. & L. Railroad Stock	100,000.00		100,000.00	
Louisa H. Howard Fund	500.00		500.00	
Water Works Construction	313,717.02		313,717.02	
City Hall Building	8,648.18		8,648.18	
State School Tax	6,611.08	6,611.08		
Louisa H. Howard Fund		500.00		500.00
Improvements, Streets and Sewers	101,741.94		101,741.94	
County Tax	661.11	661.11		
Hydrant Tax, 1901	3,540.00	3,540.00		
License Department	655.00	655.00		
License Department, "Dogs"	705.50	705.50		
Ministerial Fund, "Rents"	46.15	46.15		
Sinking Fund		74,285.30		74,285.30
State Highway Tax	6,611.08	6,611.08		
Firemen's Benefit Fund		100.00		100.00
Firemen's Benefit Fund Investment	100.00		100.00	
School Houses	61,803.16		61,803.16	
Bonds and Notes		658,000.00		658.000.00
State Tax	9,828.96	9,828.96		
General Fund	249,409.32	257,236.37		7,827.05
Assessments, 1896	232.97	232.97		
Sprinkling Tax, 1897	5.01	5.01		

TREASURER'S BALANCE SHEET, DECEMBER 31, 1901—*Continued.*

ACCOUNTS.	DEBIT.	CREDIT.	DR. BALANCE.	CR. BALANCE.
Band Concerts	1,000.00	$ 1,000.00		
Sprinkling Tax, 1898	50.02		$ 50.02	
Tax Collections, 1896	59.31	59.31		
Cemetery Commissioners	600.00	600.00		
Tax Collections, 1898	142.88	142.88		
Sprinkling Tax, 1899	118.67		118.67	
Assessments, 1897	1,984.67	949.71	1,034.96	
Assessments, 1895	125.52	125.52		
High School Building	123,707.82		123,707.82	
Assessments, 1898	2,035.80	1,156.67	879.13	
Criminal and Police	12,071.36	10,260.00	1,811.36	
Tax Collections, 1897	128.33	128.33		
Tax Collections, 1899	483.47	483.47		
Public Buildings and Parks	5,733.53	4,005.06	1,728.47	
Water Collections	47,831.53	47,831.53		
Pauper	11,028.09	9,431.20	1,596.89	
Street Lights	13,886 59	13,770.00	116.59	
Incidental	4,477.09	6,000.00		1,522.91
Sewers	5,019.63	7,459.60		2,439.97
Sprinkling Tax, 1900	513.83	208.53	305.30	
Assessments, 1900	2,974.50	810.14	2,164.36	
Firemen's Relief Fund		22.00		22.00
Salaries	5,650.00	5,700.00		50.00
Streets	46,019.71	46,718.81		699.10
Assessments, 1899	3,868.89	1,441.56	2,427.33	

TREASURER'S BALANCE SHEET, DECEMBER 31, 1901—*Concluded.*

ACCOUNTS.	DEBIT.	CREDIT.	DR. BALANCE.	CR. BALANCE.
Public Buildings, Rents	$ 2,323.00	$ 2,323.00		
Tax Collections, 1900	3,648.64	3,648.64		
Criminal Costs and Fines	1,547.32	1,547.32		
School Fund, "Rents"	146.02	146.02		
Fire	15,299.68	14,227.00	1,072.68	
Water	56,869.17	56,869.17		
Fletcher Free Library	2,476.52	2,500.00		23.48
Health	7,957.54	1,208.57	6,748.97	
Tax Collections, 1901	189,733.03	189,733.03		
Sprinkling Tax, 1901	5,500.00	5,326.95	173.05	
Adams School House	11,203.44		11,203.44	
Assessments, 1901	10,856.86	5,366.22	5,490.64	
Street Improvement	12,519.71		12,519.71	
Liquor Agency	14,614.01	14,614.01		
Schools	63,971.64	64,044.49		72.85
Interest	29,478.65	28,532.22	946.43	
Liquor Agency, New Account	1,116.88		1,116.88	
Cash	6,262.70		6,262.70	
	$1,643,852 53	$1,643,852.53	$821,985.70	$821,985.70

We, the undersigned, have examined the accounts, books and vouchers of L. C. Grant, City Treasurer, from January 1st to December 31st, 1901 inclusive, and find them correct. We also find in his hands securities for the sinking funds, and trust funds of the Cemeteries.

GEO. W. BECKWITH,
JOHN C. FARRAR, } Auditors.
THOMAS FAILEY,

SALARIES, OR OTHERWISE, OVER $300, PAID.

Donly C. Hawley, Mayor	$ 375 00
L. C. Grant, City Treasurer, and Clerk	1,500 00
C. E. Allen, City Clerk, including fees	1,500 00
G. A. Dow, Assistant City Clerk	780 00
H. M. McIntosh, City Engineer	500 00
Patrick Farrell, Assistant Janitor City Hall, etc	498 00

SCHOOL DEPARTMENT.

H. O. Wheeler, Superintendent	$1,500 00

EDMUNDS HIGH.

Isaac Thomas, Principal	$2,200 00
Phebe M. Towle, Assistant	700 00
Annie T. Smith, Assistant	600 00
Anna M. Bailey, Assistant	600 00
Anna L. Sherburne, Assistant	550 00
Abbie K. Leonard, Assistant	550 00
George M. Brett, Assistant	1,000 00
Joseph D. Bartley, Assistant	600 00
Charles E. Putney, Assistant	900 00
Fannie H. Atwood, Assistant	500 00
Mary S. DuBois, Assistant	550 00
May W. Russell, Assistant	500 00
M. Fichot, Teacher of French	600 00

GRAMMAR.

Mary E. Wells, Principal	$1,000 00
Ellen H. Vilas, Assistant	550 00
Mary E. Drew, Assistant	500 00
Adelle I. Lee, Assistant	450 00
Minnie M. Barker, Assistant	450 00
Helen G. Hendee, Assistant	450 00
Bertha D. Heflin, B and C Primary, Main street	350 00

CONVERSE.

Sarah A. Martin, Principal	$600 00
Maria B. Harty, A Intermediate	450 00
Mary I. Gregory, B Intermediate	450 00
Jennie M. Mathews, C Intermediate	450 00
Nellie D. Butts, A Primary	450 00
Clara P. Loomis, B Primary	425 00
Annie A. Smith, C^1 Primary	450 00
Jessie E. Lord, C^2 Primary	300 00
S. Maude Read, Kindergarten	325 00

LAWRENCE BARNES.

Mary B. Mayo, Principal	$600 00
Marion E. Bates, A Intermediate	450 00
Mae A. Edwards, B Intermediate	400 00
Mary M. Walsh, C Intermediate	400 00

Josephine A. Metts, A Primary	450 00
Lida M. Lanou, B Primary	450 00
Emma C. Lanou, C^1 Primary	450 00
Mary E. Russell, C^2 Primary	450 00
Laura R. Gardner, Kindergarten	350 00

POMEROY.

Kate P. Miller, Principal	$600 00
Dora E. Smith, A Intermediate	450 00
Anna L. Burnham, B Intermediate	450 00
Mary E. Enright, C Intermediate	450 00
Maude M. Weeks, A Primary	450 00
Josephine M. Everett, B Primary	450 00
Frances M. Lewis, C^1 Primary	450 00
Agnes M. Mulqueen, C^2 Primary	450 00
Edith C. Oakes, Kindergarten	325 00

ADAMS.

Emma J. Chapman, Principal	$600 00
Josephine M. Slayton, A Intermediate	400 00
Mary E. Fuller, B Intermediate	450 00
Ella J. Barrows, C Intermediate	425 00
Mary A. Farrell, A Primary	450 00
Nellie Ayling, B Primary	425 00
Winifred E. Rice, C Primary	425 00

IRA ALLEN.

Cora B. Drew, Principal	$550 00
Minnie A. Goodell, B and C Intermediate	450 00
Della L. Calvert, A and B. Primary	450 00
Estelle M. Packard, C Primary	450 00

CHASE STREET.

Gertrude M. Wheeler, Kindergarten	$350 00

ARCHIBALD STREET.

Lois M. Malaney, Principal	$550 00
Mary F. Madigan, Assistant	350 00
Mary F. Metcalf, Assistant	300 00

S. W. THAYER.

Rosalyn M. Spaulding, Principal	$400 00
Amy H. Hathaway, Assistant	300 00

PARK AVENUE.

Laura L. Brownell, Principal	$450 00
Ella M. Brownell, Assistant	375 00

LAKESIDE PARK.

Emma A. Robair, Primary	$375 00
Susie A. Beach, Kindergarten	350 00

WINOOSKI AVENUE.

Ruth E. Vancor, C Intermediate	$300 00
Cornelia C. Underwood, Ungraded	400 00

Ella K. Herrick, Teacher of Drawing	$ 550 00
J. H. Humphrey, Teaching of Singing	1,000 00
Francis J. Dunbar, Janitor, High School	500 00
Russell Hallett, Engineer, High School	525 00
Henry Rice, Janitor, Grammar	400 00
W. H. Watkins, Janitor, Adams and Main street	400 00
L. S. Hebb, Janitor, Converse	400 00
Joseph Pine, Janitor, Lawrence Barnes	400 00
John Lessor, Janitor, Pomeroy	400 00
Madison Paxton, Janitor, Archibald and Annex	360 00

LIBRARY DEPARTMENT.

Sarah C. Hagar, Librarian	$800 00
Lizzie R. Moore, Assistant Librarian	500 00

HEALTH DEPARTMENT.

H. R. Watkins, M. D., Health Officer, and fees	$542 90
Joseph Langlois, in charge of dump	393 12

WATER DEPARTMENT.

F. H. Crandall, Superintendent	$1,200 00
J. W. Thomas, Engineer	910 00
William Cassidy, Foreman	787 38
M. A. Stone, Foreman	658 50
Dennis Brodie, Teamster	548 40
A. J. Howard, Fireman	546 00
Louis Steady, Fireman	546 00
Oscar Heininger, Chief Meter Inspector	520 40
Alec Myers, Laborer	489 68
F. P. Eady, Bookkeeper	480 00
John Leach, Inspector	455 85
George Young, Inspector	445 80
Emile Guerin, Inspector	421 20
Joseph Myers, Laborer	385 35
K. M. McCaffrey, Office Assistant	353 00
John Gemond, Laborer	313 84
Joseph Gabre, Laborer	311 03
Patrick Hassett, Laborer	300 73

FIRE DEPARTMENT.

Moses Murray, Chief Engineer	$800 00
William J. Brown, Captain Station 1	584 04
Michael Lynch, Captain Station 2	594 72
James M. Cosgrove, Captain Station 3	588 15
Ernest R. Brew, Captain Station 4	581 57

Henry M. Riley, Electrician	583 08
Seymour E. Lozo, Driver Station 1	422 12
Peter J. Benoit, Driver, Station 1	530 82
George W. Hurlburt, Driver Station 1	489 01
Edward Lynch, Driver Station 2	537 29
Charles A. Niles, Driver Station 3	535 30
John Moran, Pipeman Station 2	474 46
George L. Neal, Pipeman Station 3	474 46

STREET DEPARTMENT.

Herald Stevens, Superintendent	$1,000 00
L. A. Walker, Assistant	624 00
George W. Beckwith, Clerk	624 00
Guy Chambers, Foreman	368 00
J. E. P. Wright, Foreman	316 00
Clovis Lavalley, Hostler	546 00
Joseph Dague, Driver	458 70
Peter Hanlin, Driver	434 40
Louis Vassar, Driver	406 65
E. H. Chambers, Driver	430 25
John Seymour, Driver	414 65
Louis Hart, Driver	430 10
John Casey, Engineer, Steam Roller	544 00
Jerry McCarty, Engineer, Crusher	411 05
John Coleman, Paver	409 20
C. S. Moss, Laborer	331 50
Peter Duran, Laborer	304 00
Peter Lemair, Laborer	315 00
Henry Voltz, Laborer	338 35
Isaac Fine, team	399 70
William Andrews, Team	366 25
John Riley, team	465 40
David Weston, team	385 50
C. E. Kirby, team	407 10
H. R. Thomas, team	384 15
Gay & Henderson, team	330 40
Alex. Seymour, team	367 85
E. L. Whitlock, team	391 30
Joseph Gero, team	359 65

POLICE DEPARTMENT.

Edward F. Brownell, Chief	$1,000 00
John J. Brothers	600 00
Patrick J Cosgrove	581 85
William Garrow	600 00
Milo C. Graton	600 00
Thomas H. Kelley	526 40
Edward P. McElligott	600 00
Patrick J. Russell	600 00
John Ryan	591 75

Edward R. Coon	573 95
John Donohue	450 00
Peter Lynch	600 00
William Wills	350 00
James Lynch (Police and Health Department)	368 75

PAUPER DEPARTMENT.

Frank P. Robinson, Overseer	$412 50
C. H. Harrington, Farm Superintendent	399 96

CEMETERY DEPARTMENT.

Mathew Collins, Superintendent of Elmwood, Green Mount and Lake View Cemeteries	$791 25
John Kennedy, Laborer	477 00
John Dwyer, Laborer	364 50
D. Robbins, Team	414 34

REPORT OF THE SUPERINTENDENT

OF

The Mary Fletcher Hospital.

Number of patients treated from Dec. 1, 1900 to Dec. 1, 1901		1,419
Number who remained at the hospital	882	
Number treated as "out-door" patients	537	
		1,419
Number admitted who paid the regular rate ($10.00 per week)	190	
Number admitted who paid less (average $5.30 per week)	183	
Number admitted free of charge	509	
Number of "out-door" patients also free of charge	537	
		1,419

The clinical work is constantly increasing. An out-patient department for eye, ear and throat cases, is in session every Tuesday and Friday from 4 to 6 P. M.

EXTENT OF CHARITY.

The following statement will enable the public to see to what extent the Hospital is a public charity.

Adding together the number of days spent in the Hospital by each patient from December, 1900, to December, 1901, and dividing the total by 7, we find:

Free patients cared for	1,887	weeks.
Patients paying $10.00 per week	523	weeks.

Patients paying less than $10.00	640 weeks.
Total expense for the year	$24,331 90
Average paid by paying patients	7 33
Actual expense per week for each patient paying and free, not reckoning interest on plant and equipment	7 97

This makes each "paying patient" receive an average of $0.64 per week as charity, besides the benefit of the equipment and of gratuitous medical and surgical care, and leaves a balance of 1,887 weeks as pure charity, to free patients, as well as the 537 out-door patients who were also entire charity. For part of this charity, of course the donors of free beds are entitled to the gratitude of the recipients.

The daily average of the patients throughout the year has been 58½.

B. J. ANDREWS, M. D.,

Superintendent.

MAYOR'S ESTIMATES, 1902.

To the Honorable Board of Aldermen:

GENTLEMEN:—The following statement of the assets and liabilities of the City of Burlington, on January 1, 1902, together with "an estimate of the amount of money necessary to be raised for the ensuing financial year, and the ways and means for raising the same," is respectfully submitted, in conformity with the provisions of the Revised Ordinances of the City.

A detailed statement of the expenditures for the year 1901 is presented in the reports of the City Officials, which accompany these estimates, as a part of the Annual Report of the City.

ASSETS OF THE CITY OF BURLINGTON, JANUARY 1, 1902.

Cash in hand	$ 6,262 70	
Street assessments	12,496 42	
Uncollected taxes (estimated collectable)	17,158 73	
Howard Hose House (for sale and temporarily used for school purposes)	3,000 00	
Liquors in agency	1,116 88	
Uncollected water taxes for 1901	59 26	
Uncollected sprinkling taxes for 1901,	225 62	
		$40,319 61

LIABILITIES.

Due Street Department	$ 699 10	
Due Sinking Fund	20,285 30	
Temporary loans	40,000 00	
Due Adams School Building Fund	8,796 56	
Due Street Improvement Fund	480 29	
		$70,261 25

Net liabilities January 1, 1902 ..... $29,941 64

This amount exceeds the net liabilities of January 1, 1901, by $7,246.30.

This increase in our liabilities is accounted for, and more, by the extraordinary expense incurred on account of the small pox epidemic.

The extra expense of the Health Department on account of small pox, was $6,699.39, and in addition, the City paid $1,493.80 towards the farm which was purchased for the purpose of providing an isolation hospital for small pox cases.

This extra expense, amounting to $8,193.19, was of course unexpected and unprovided for, so far as the appropriations for the year 1901 were concerned.

Had this extraordinary expenditure not been necessary, we should have been able to meet our obligations for the year, with a balance of $947.89 to apply on the floating debt.

ESTIMATED CURRENT EXPENSES FOR 1902.

Highways	$26,000 00
Sinking Fund	6,500 00
State Highway Tax	6,552 64
State School Tax, 8 cents	10,484 23
State Tax, 7½ cents	9,920 55
County Tax	655 26
Schools	55,000 00
Library	2,300 00
Police	8,500 00
Fire	14,000 00
Buildings and Parks	2,000 00
Street Lights	13,886 59
Health	3,500 00
Incidentals	4,000 00
Sewers	500 00

Pauper Department	9,000 00
Salaries	5,700 00
Interest on bonds and notes, less amount paid by water department	17,000 00
Open air concerts	1,000 00
Interest on temporary loans	1,500 00
Hydrant tax	3,540 00
	$201,539 27

ESTIMATED RECEIPTS FOR 1902.

Rents	$2,300 00
Licenses	1,000 00
Criminal Department	1,500 00
Liquor Agency	1,000 00
	$5,800 00

It appears, from these figures, that the sum of $195,739.27 must be raised by taxation to meet the current expenses of the present year.

Eighty-eight new buildings have been erected in the city during the past year, and it seems fair to assume that these will increase our grand list by at least $2,000.00 over and above any deductions. If this assumption be correct, our grand list for the year 1902, will be $133,052.82. A tax of one hundred and fifty cents on this grand list will raise $199,579.23, which sum will provide for the estimated expenses and the sinking fund and leave a surplus to apply on the floating debt. Should the grand list remain the same as last year, a tax of one hundred and fifty cents will raise an amount $839.96 in excess of the estimates. Such a tax I recommend.

It is of course impossible to make an accurate estimate of the expense which may be necessary in connection with the small pox epidemic. However, I am glad to be able to state in this connection, that we now have but a small number of cases in the city, and that the disease is under better control than at any time since its outbreak.

In conclusion, I urge upon every department the necessity of extreme economy, and of keeping expenditures within the estimates.

Respectfully submitted,

DONLY C. HAWLEY, Mayor.

ORDINANCES ADOPTED IN 1901.

CITY OF BURLINGTON.

In the Year One Thousand Nine Hundred and One.

AN ORDINANCE IN RELATION TO INJURIOUS PRACTICES IN THE HIGHWAY.

It is hereby ordained by the City Council of the City of Burlington, as follows:

Section 1. Section 32 of Chapter 12, of the Revised Ordinances of the City of Burlington, is hereby amended so as to read as follows:

Section 32. Every bicycle, tricycle, velocipede, automobile, or locomobile or other similar vehicle, equipped with rubber or pneumatic tires, except such as are drawn by one or more horses, using the public streets or highways of said city, shall show, from one hour after sunset until one hour before sunrise, a light or lights so placed as to be seen from the front and each side, such light or lights to be of sufficient illuminating power to be visible at a distance of two hundred feet therefrom.

Adopted June 6, 1901.

Attest: CHARLES E. ALLEN, Clerk.

Approved June 7, 1901.

Attest: DONLY C. HAWLEY, Mayor.

CITY OF BURLINGTON.

In the Year One Thousand Nine Hundred and One.

AN ORDINANCE IN RELATION TO THE SALE OF MILK AND CREAM.

It is hereby ordained by the City Council of the City of Burlington, as follows:

Sec. 1. No person shall furnish, supply, sell, or peddle milk or cream to the inhabitants of the city of Burlington, or shall, for that purpose, keep or have in possession any milk or cream, save such as is the product of cows which are found to be free from tuberculosis, by the application of the tuberculin test, to be made, when required by the Health Officers of the city, under the supervision of a qualified veterinary surgeon, educated at and graduated from some regular veterinary school of good standing.

Sec. 2. No person shall furnish, supply, sell or peddle milk or cream to the inhabitants of the city of Burlington, or shall, for that purpose, keep or have the same in possession, unless and until he shall procure from such veterinary surgeon a certificate, setting forth that the cows, from which said milk or cream or any part thereof, is produced, have been subjected to and passed the tuberculin test, prescribed in the preceding section, and are free from tuberculosis.

Sec. 3. No person shall furnish, supply, sell or peddle milk to the inhabitants of the city of Burlington, or shall, for that purpose, keep or have the same in possession, which does not yield, upon analysis, at

least of fat 4 per cent, of sugar 4.3 per cent, of proteids 4 per cent, of salts .70 per cent, or which contains of water over 87.5 per cent.

Sec. 4. No person shall furnish, supply, sell or peddle milk to the inhabitants of the city of Burlington, or shall, for that purpose, keep or have the same in possession, which contains any adulteration or any substance added for the purpose of preservation or of increasing the physical properties of said milk.

Sec. 5. It shall be the duty of the Health Officer acting in his own discretion or upon reasonable complaint, to procure samples of milk from those having the same in possession for sale or distribution to the inhabitants of the city of Burlington, and to cause the same to be analyzed by a chemist, thereto competent, the first analysis to be made not earlier than sixty days after the passage of this ordinance. Said samples for analysis shall be taken from the common stock of milk, and at such time and place as may be convenient for said Health Officer, and any money by him paid or advanced for such samples, or the analysis thereof, shall be reimbursed him from the city treasury.

Sec. 6. Any person failing to comply with the requirements or violating any of the provisions of this Ordinance, shall be fined not less than twenty-five dollars, nor more than two hundred dollars, for each offense.

Adopted June 12, 1901.

Attest: CHARLES E. ALLEN, Clerk.

Approved June 13, 1901.

Attest: DONLY C. HAWLEY, Mayor.

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CITY ELECTION.

WARNING.

The Legal Voters in City Meeting of the City of Burlington, Vt., are hereby Notified and Warned to meet on

Tuesday, the (4th) Fourth Day of March,

A. D. 1902, at 9 o'clock in the forenoon, in their respective Wards at the several voting places hereinafter named, for the purpose of electing a Mayor, and for the purpose of electing in

WARD ONE—One Alderman, one School Commissioner, and Ward Officers, and in

WARD TWO—One Alderman, one School Commissioner, and Ward Officers, and in

WARD THREE—One Alderman, one School Commissioner, and Ward Officers, and in

WARD FOUR—One Alderman, one School Commissioner, and Ward Officers, and in

WARD FIVE—One Alderman, one School Commissioner, and Ward Officers.

All of whom to hold office for one year, except Aldermen, and except School Commissioners in Wards One and Three, who are to be elected for terms of two years each.

The following are designated as voting places, viz;

In WARD ONE—At Fire Station No. 3, Mansfield Avenue.

In WARD TWO—At the Star Hose House, No. 128 North Winooski Avenue.

In WARD THREE—At Fire Station No. 2, No. 120 North Champlain Street.

In WARD FOUR—At No. 141 Church Street (old Boxer Room).

In WARD FIVE—At William Smith's Carriage Repository, No. 164 St. Paul Street.

The Polls open at 9 o'clock in the forenoon, and close at 3 o'clock in the afternoon.

DONLY C. HAWLEY, Mayor.

Burlington, Vt., February 19th, 1902.

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